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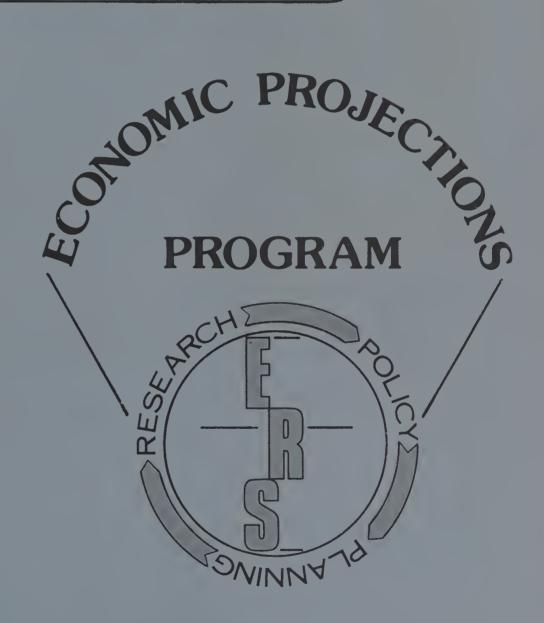


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WORKING MATERIALS



National Economic Analysis Division

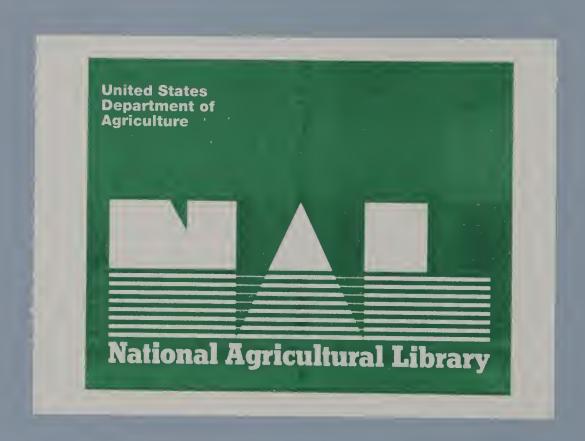


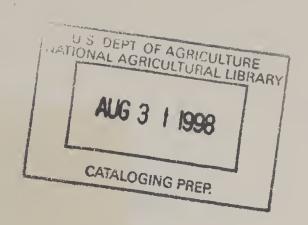
Economic Research Service

U.S. Department of Agriculture

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NO. AS.1.74
PROJECTIONS COORDINATING
DIRECTORY

Economic Projections Program

Economic Projections and Analytical
Systems Program
National Economic Analysis Division
Economic Research Service
U.S. Department of Agriculture
Washington D.C.
August, 1974

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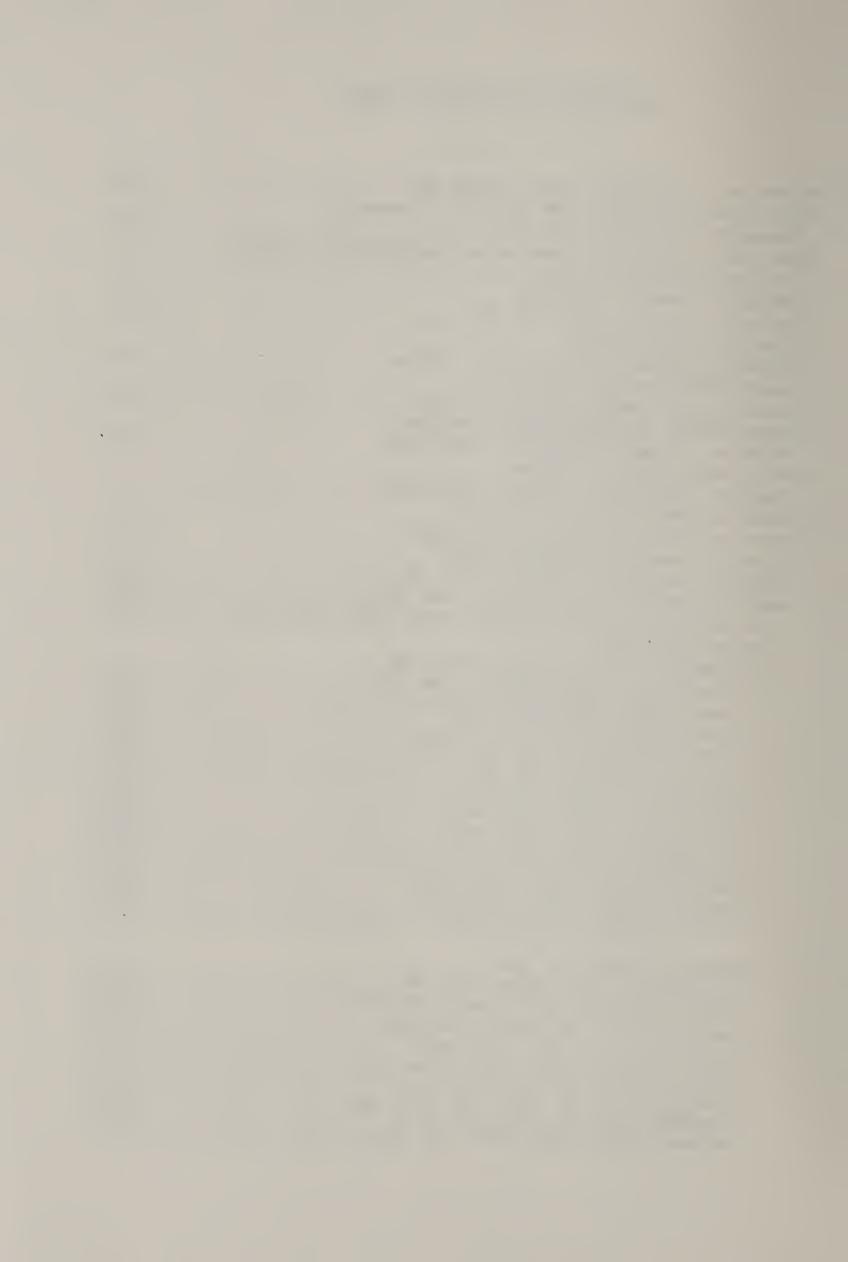
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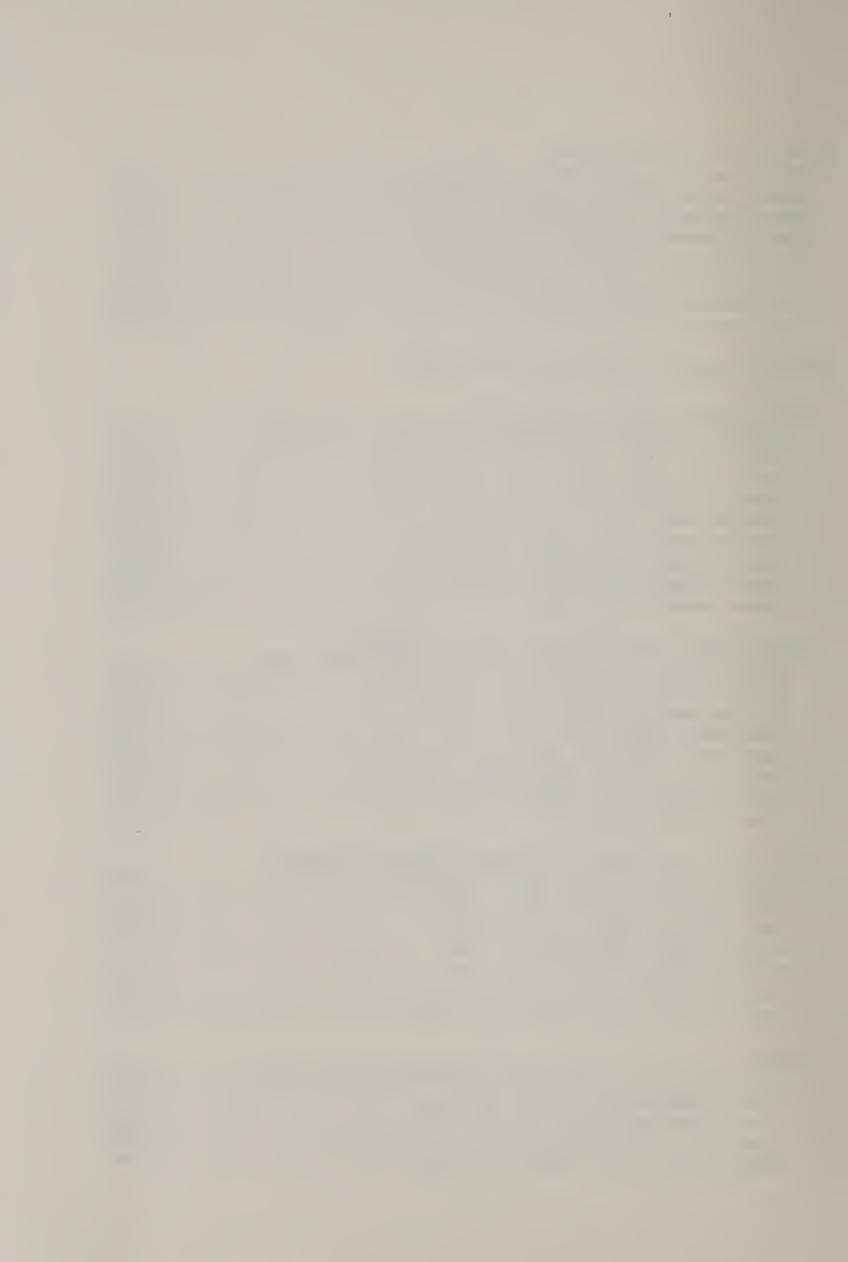


DIRECTORY OF PROJECTION TEAMS

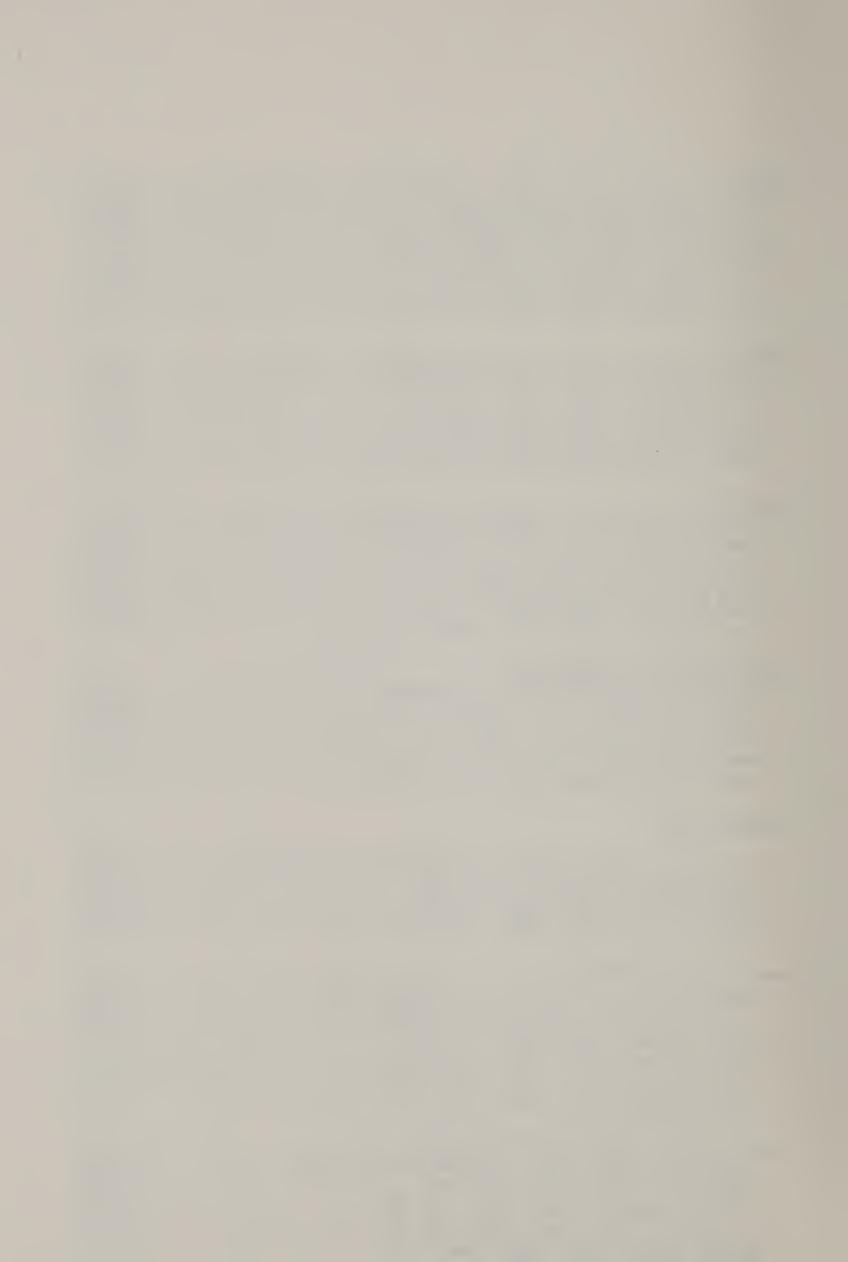
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	Deputy Director, James Donald, 244- GHL	
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	Alternative Futures Projection Team	
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	Allen Smith, NEAD, 248- GHI	77681
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Donald Durost, ERS, NEAD, 114- GHI749	
David Harrington, ERS, NEAD, 141- GHI792	30
John Fritschen, ERS, NRED, 404- GHI	11
Wyatte Harman, ERS, CED, 391- GHI	
Orville Overboe, ASCS, 5748- South	17
L. P. Reitz, ARS, 320-B005	09
Jack Aschwege, SRS, 0233- South	57
Special Commodity Yield Projection Teams	
Food Grains - Wheat - Rice - Rye	
Virden Harrison, ERS, NEAD, Coordinator, 248- GHI776	
Paul King, ASCS, 5758- South	95
George Schaefer, ASCS, 5711- South779	2 3
James Naive, ERS, CED, 222- GHT	36
Francis Gomme, ERS, CED, 240- GHI	
Dean Hazenmyer, SRS, 0219- South	
Donald Durost, ERS, NEAD, 114- GHI	
Gene Williams, ASCS, 5713- South	
James Vermeer, ERS, CED, 350- GHI	
Feed Grains - Corn - Oats - Barley - Sorghum	
Virden Harrison, ERS, NEAD, Coordinator, 248- GHI776	
William Askew, ASCS. 5749- GHI	21
Orville Overboe, ASCS, 5748- South744	17
James Naive, ERS, CED, 222- GHI	97
Jack Ross, ERS, CED, 222- GHI	36
Donald Durost, ERS, NEAD, 114- GHI749	
Jack Aschwege, SRS, 0233- South721	
Edward Lippert, SRS,4845- South	
Oil Crops - Soybeans - Flaxseed - Peanuts - Others	
Virden Harrison, ERS, NEAD, Coordinator, 248- GHI776	
Malcolm Maclay, ASCS, 5707- South778	65
Gene Williams, ASCS, 5713- South	11
George Kromer, ERS, CED, 206- GHI	06
William Hamlin, SRS, 0258- South	14
Donald Bay, SRS, 0222- South	85
Donald Durost, ERS, NEAD, 114- GHI749	43
Cotton	
	21
Virden Harrison, ERS, NEAD, Coordinator, 248- GHI,	
Thomas Beatty, ASCS, 5714- South	
Russell Barlowe, ERS, CED, 218- GHI	
Donald Bay, SRS, 0222- South	
Donald Durost, ERS, NEAD, 114- GH1749	43



Tobacco Virden Harrison, ERS, NEAD, Coordinator, 248- GHI E. W. Grove, ASCS, 6768- South Robert H. Miller, ERS, CED, 294- GHI Owen Shugars, ERS, CED, 294- GHI Robert Karnes, SRS, 0214- South Donald Durost, ERS, NEAD, 114- GHI	• • • •	75993 78059 75327 77688
Potatoes Virden Harrison, ERS, NEAD, Coordinator, 248- GHI Charles Porter, ERS, CED, 202- GHI George Rippel, ASCS, 6975- South Donald Fedewa, SRS, 0223- South Donald Durost, ERS, NEAD, 114- GHI	• • • •	78669 74786 77720
Dry Beans Virden Harrison, ERS, NEAD, Coordinator, 248- GHI Charles Porter, ERS, CED, 202- GHI George Schaefer, ASCS, 5711- South Donald Bay, SRS, 0222- South Donald Durost, ERS, NEAD, 114- GHI Gene Williams, ASCS, 5713- South		78669 77923 74285 74943
Sugar Beets and Sugarcane Virden Harrison, ERS, NEAD, Coordinator, 248- GHI Robert Stansberry, ASCS, 3746- South Bruce Walter, ERS, CED, 200- GHI Donald Bay, SRS, 0222- South Donald Durost, ERS, NEAD, 114- GHI	• • • •	75556 78666 74285
Virden Harrison, ERS, NEAD, Coordinator, 248- GHI Andy Duymoie, ERS, CED, 200- GHI Donald Fedewa, SRS, 0223- South Donald Durost, ERS, NEAD, 114- GHI	• • • •	78070 77720
Leroy Quance, ERS, NEAD, Coordinator, 248- GHI Virden Harrison, ERS, NEAD, 248- GHI Robert Reinsel, ERS, NEAD, 128- GHI Wyatte Harman, ERS, CED, 391- GHI John Fritschen, ERS, NRED, 404- GHI Larry Shluntz, ERS, NRED, 404- GHI	• • • •	77681 74943 78840 78111
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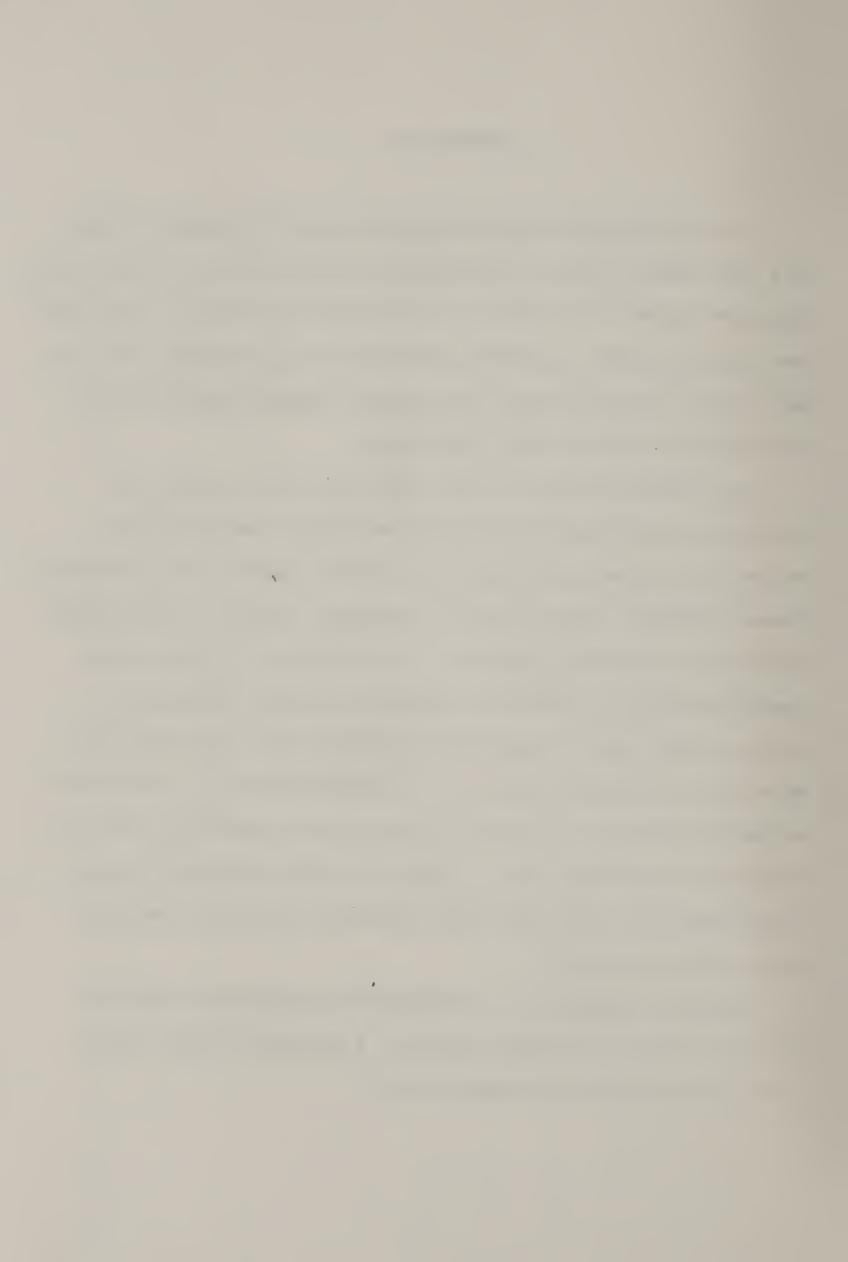


INTRODUCTION

The basic principle undergirding the Economic Projections Program is a dual thrust - National-Interregional Agricultural Projections (NIRAP) analytical system and a network of coordinated ERS projection teams. When more fully developed, the NIRAP system will be a computerized simulation model of U.S. agriculture with interrelated component models dealing with all major facets of U.S. agriculture.

Paralleling development of the NIRAP system is a structure of coordinated projection teams with representatives from appropriate program areas across ERS and other governmental agencies and universities. Whereas the NIRAP system provides a consistent, additive, guide response and low cost analytical capability, the coordinated projection teams capitalize on ERS's comparative advantage in economic research of having a large staff of professional economists specializing in every major facet of American Agriculture. Economists serving on coordinated projection teams have the first and last word as to what goes into and comes out of the NIRAP system. And for efficient and effective operational management, projection team coordinators are senior economists on the EPAS program staff.

Personnel assignments on the teams are coordinated through the Division directors and program leaders. A directory of these assignments preceeds General Memorandum No. 52.



UNITED STATES DEPARTMENT OF AGRICULTURE Economic Research Service Washington, D.C.

ERS General Memorandum No. 52, Revised (Supersedes ERS General Memorandum No. 52, dated February 4, 1971)

Economic Projections Program

This memorandum sets forth the general philosophy, objectives, program characteristics and responsibilities for an integrated projections program supporting economic research, policy analysis and planning assistance missions of ERS and its component divisions.

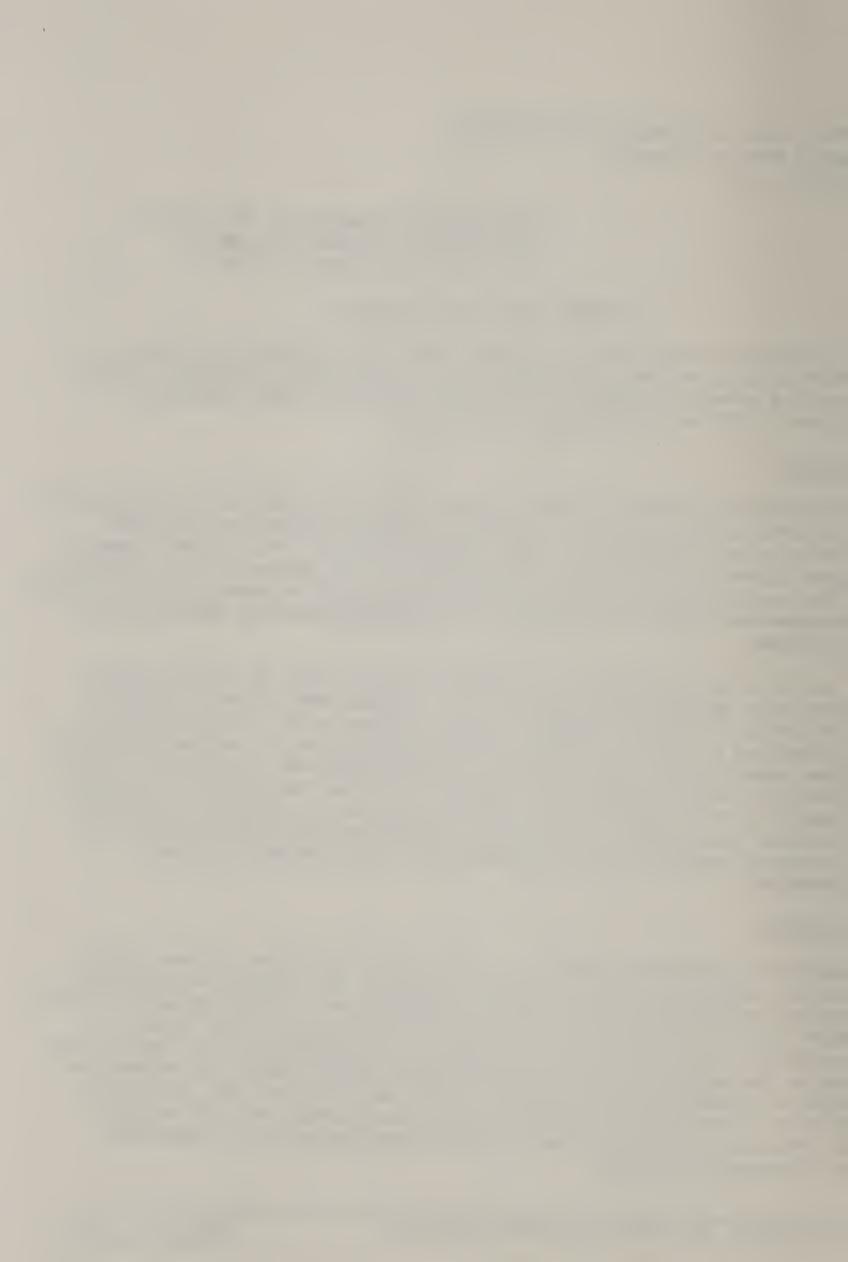
Philosophy

The projections program is based upon the premise that ERS has a responsibility and capability to generate and communicate useful information concerning possible future developments in agriculture and rural areas to policymakers, program planners, agricultural researchers, and the general public. Further, the ERS capability for generating useful projections is based on the capability of professional staff and the results from research projects making up the ERS program.

The projections program is not a separate research area in the same sense as the other research activities of ERS. Rather, projections involve the synthesizing of research results from all program areas. Cause and effect relationships at work in agriculture and researched in the various functional program areas of ERS must be synthesized and integrated into systems characterizing the entire agricultural sector. From this abstract but integrated perspective, the projections program, in addition to fulfilling projections objectives, aids in the identification of opportunities for improving the ERS research program through highlighting of deficiencies in current information.

Objectives

Through the cooperative efforts of professional staff from various program areas and utilizing available research results: (1) combine and synthesize technical and economic relationships in agriculture into appropriate analytical models; (2) identify those relationships involving the highest degree of uncertainty; (3) project alternative paths of adjustment in U.S. agriculture based on the estimated technical and economic relationships and reasonable ranges of assumptions with respect to major uncertainties; (4) communicate resulting information to clients on a continuing basis; and (5) use feedback from this continuing process to make recommendations for improving the ERS research program.



Program Characteristics

To fulfill these objectives, ERS will continue to improve and expand an integrated series of analytical systems encompassing important facets of the economics of the agricultural product markets, both domestic and foreign, farm, input and resource development sectors of U.S. agriculture.

At time intervals sufficient to facilitate research, policymaking and planning assistance activities, an appropriate number of alternative futures will be defined with respect to specified combinations of: (1) major forces exogenous to agriculture such as population, GNP, employment, per capita disposable income; and (2) major uncertainties within agriculture such as public and private expenditures for agricultural research and development, farm policies, resource use policies, and the institutional aspects of international agricultural trade.

The projecting of all major facets of U.S. agriculture under each specified alternative future will constitute the <u>core projections program</u>. One such alternative future will be termed the baseline projection. Within the core program a significant amount of economic analysis will be conducted in comparing each alternative future to the baseline projection.

Analytical extensions of the core program by researchers in all program areas are encouraged. These analytical extensions involve deviations not accounted for by any specified alternative future in the core program and are for the purposes of (1) fulfilling program area project objectives not covered by the core program; (2) providing analysis of emerging issues not identified when alternative futures of the core program were specified; and (3) developing new methodology and models complementary to the ERS projections program. Results of such analytical extensions of the core program will be compared to the baseline projection or, if more appropriate to another alternative future in the core program to insure that the various projections produced by ERS can be compared with each other in terms of the basic assumptions being used.

Responsibilities

A. The National Economic Analysis Division is responsible for developing an integrated ERS projections program as outlined above. This involves (1) surveying projection capabilities and needs in ERS; (2) identifying priorities for improving the projections program and recommending personnel and other resources needed to accomplish the stated priorities; (3) insuring availability of appropriate analytical systems for accomplishing objectives of the projections program; (4) conducting an annual evaluation of the projections program; (5) facilitating communications about all aspects of the projections program within ERS, between ERS and its clientele for projections, and with other organizations developing agricultural projections; (6) establishing an ERS publications series on



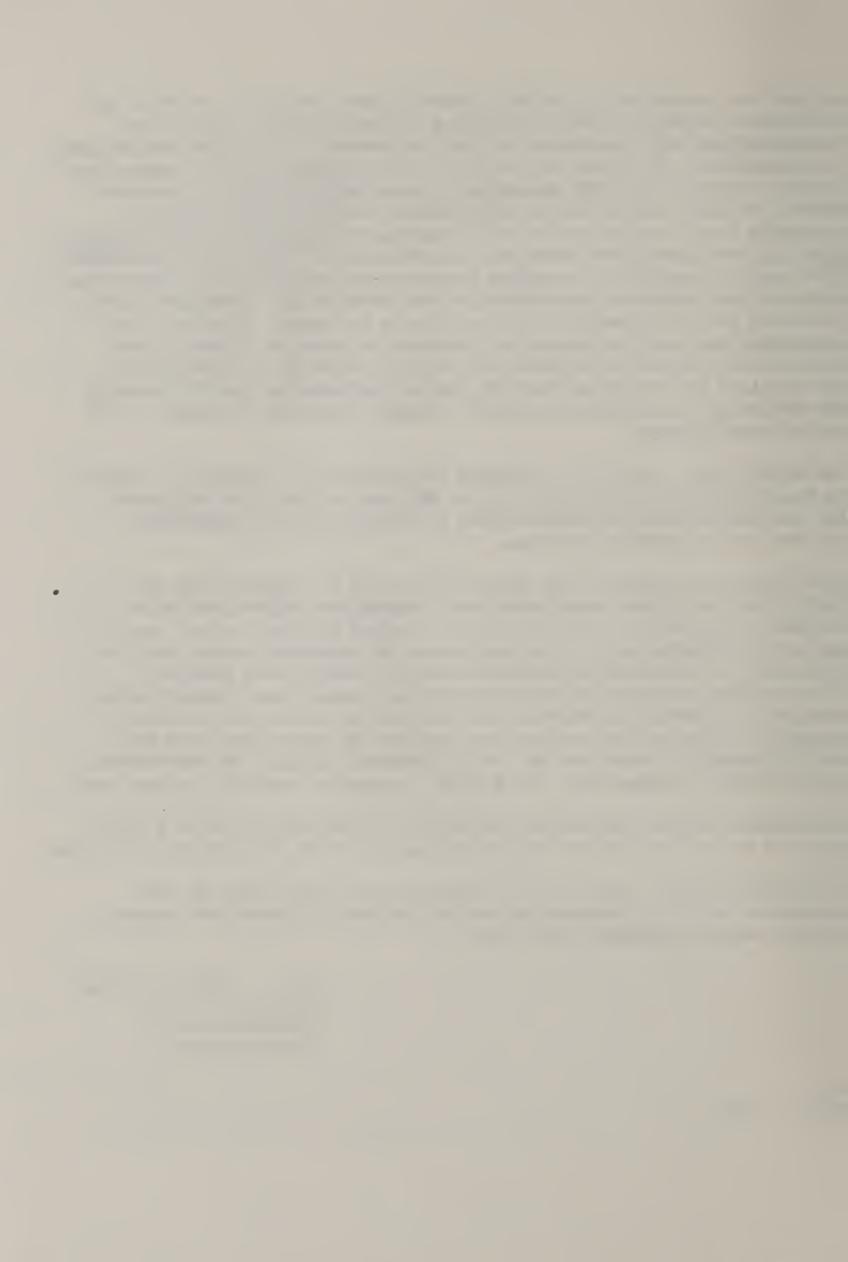
projections conducive to periodic updating that provides a visible and accountable measure of the projections program product, facilitates communications and encourages use and improvement of economic projections in agriculture; (7) providing written review comments to the appropriate Program Leader on all ERS manuscripts involving projections, prepared either as staff studies or for publication, and on research project proposals involving projections; (8) maintain a projections coordinating directory explaining ERS projections capabilities, identifying personnel with special expertise, providing coordinating instructions, summarizing technical and economic relationships simulated in each component model, including the basic assumptions, explaining how component models are integrated and used in simulating alternative futures, kinds of data required to operate the system, the output generated and specifying instructions on how to use the ERS projections system; and (9) keeping the Office of the Administrator and Division Directors informed on the projections program.

The NEAD Program Leader for Economic Projections and Analytical Systems is the Coordinator for Projections in ERS and is the principal agent for fulfilling NEAD responsibilities to provide overall leadership for the ERS projections program.

- B. Each Division of ERS has the responsibility of (1) identifying and fulfilling its client commitments and Program Area objectives with respect to projections, (2) providing research information and consultation contributing to the development of component models and the definition of alternative futures within the projections program, (3) providing appropriate professionals, as agreed upon through normal management channels, to serve on ERS projection teams, (4) providing comments to NEAD on the projections program and the projections made, and (5) providing reactions to review comments relating to projections made by NEAD on manuscripts and project proposals involving projections.
- C. For purpose of this memorandum, forecasts for periods of up to 2 years approved by the Outlook and Situation Board are not considered projections.
- D. All decisions with respect to the projections program will be made consistent with this memorandum and are subject to review and approval through normal management channels.

QUENTIN M. WEST
Administrator

Page 3 November 6, 1973



UNITED STATES DEPARTMENT OF AGRICULTURE ECONOMIC RESEARCH SERVICE

WASHINGTON, D.C. 20250

January 8, 1974

ERS Projections Memorandum No. 1 - Standard Operating Procedures

for Projection Teams

JECT:

Division Directors, ERS TO: Division Deputy Directors, ERS Program Leaders, ERS

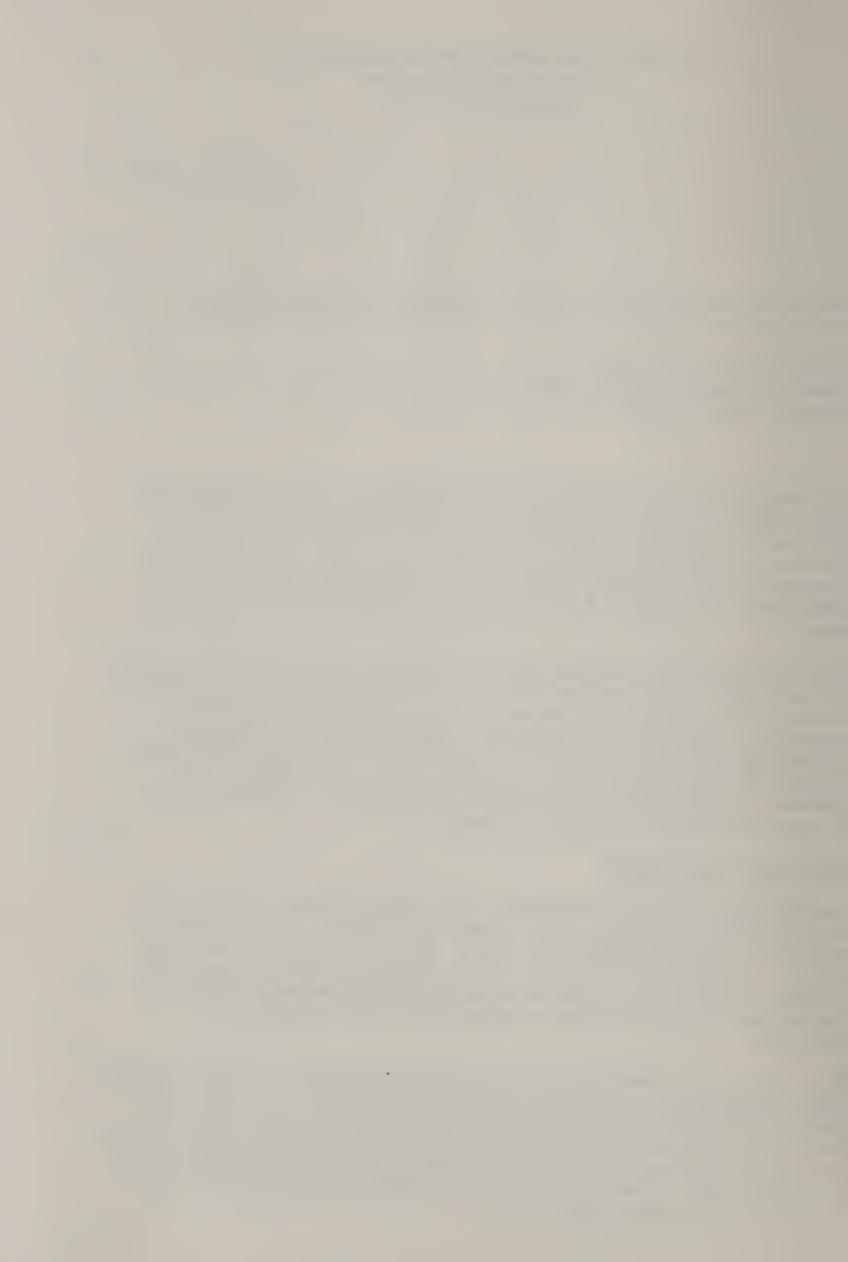
> This memorandum is a follow-up on our memorandum dated November 30, 1973, subject: ERS Projection Teams. Our purpose here is to (1) clarify questions raised about projection teams, (2) establish standard operating procedures for projection teams and (3) provide a tentative list of important facets of agriculture that will, at some time in the next 2-3 years, require establishing a projection

Because projection memoranda such as this will be repeatedly referred to during the year, a numbering system is established with this memorandum number 1. And because we want this series of projections memoranda, combined with ERS General Memorandum No. 52, Economic Projections Program, to provide the basic coordinating information for the ERS projections program, some information covered in the November 20 memorandum or in earlier memorandums is repeated here, or may be repeated in future memoranda.

Projection Team Concept

The ERS capability for generating useful projections is based on the capability of individual professionals and results from research projects in program areas across ERS. We want to utilize that capability in building an additive and integrated ERS-wide projections program. Also, we want the alternative futures making up the core projections program to cover as many needs for projections as practical.

Thus, ERS General Memorandum No. 52, Revised November 6, 1973, Economic Projections Program, calls for establishing appropriate projections teams with ERS-wide representation to define alternative futures for the Core Projections Program and to counsel NEAD in developing an integrated National-Interregional Agricultural Projections (NIRAP) system to project major facets of agriculture under each alternative future included in the core program.



Projection team activities will be limited to a minimal number of meetings during the year to provide our Economic Projections and Analytical Systems (EPAS) Program required counsel and information. EPAS will then carry the load of implementing the ERS projections Program. However, all program area personnel in ERS are encouraged to become as involved in the program as they judge appropriate in the conduct of their research programs.

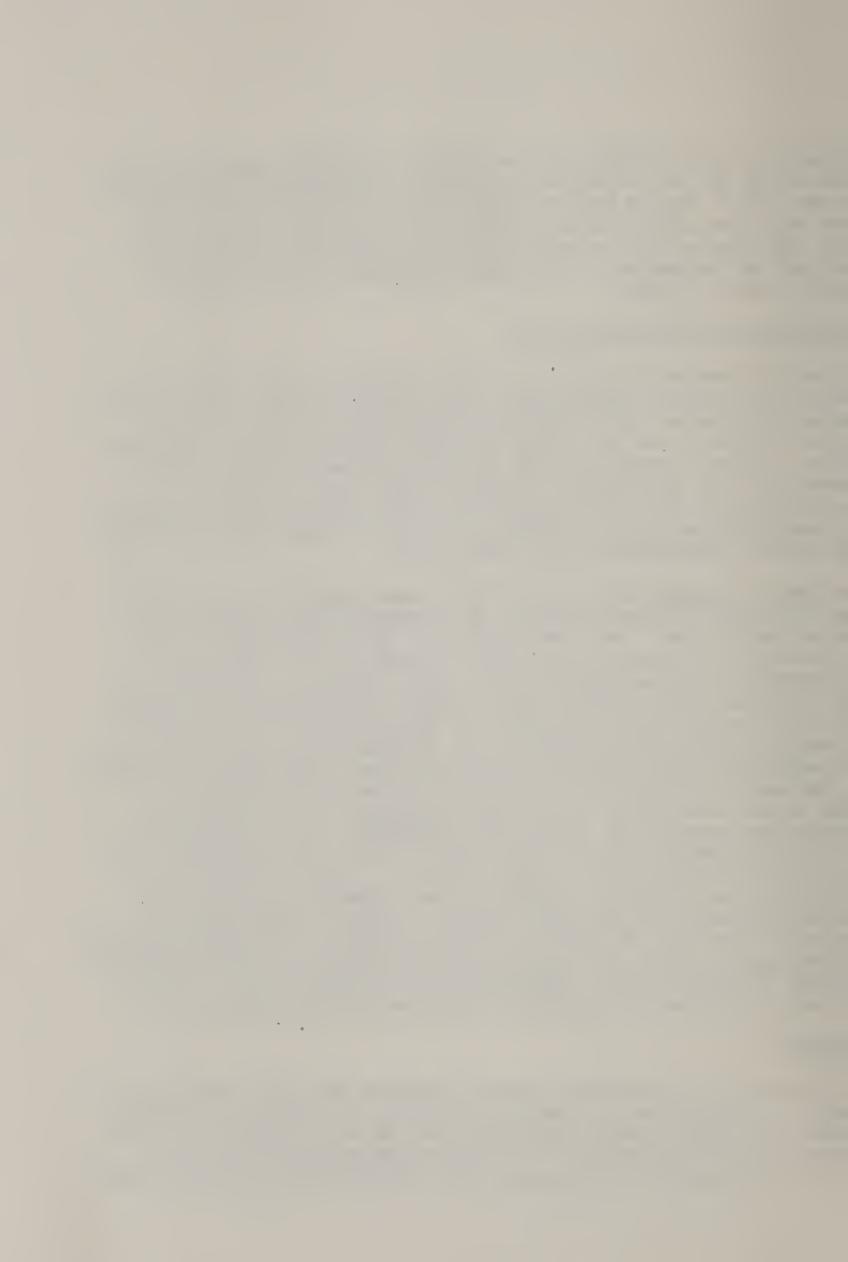
Organization and Responsibilities

Projection teams will consist of a team coordinator and several team members representing Program Areas, Divisions and Agencies with program responsibilities and technical and economic expertise in the subject matter covered by the team. Team responsibilities are to (1) designate, define, estimate probabilities of, and write scenarios of alternative futures for U.S. agriculture, (2) counsel EPAS staff in building analytical models to develop the NIRAP system, (3) provide data required for developing and using the NIRAP system and (4) evaluating projections and analysis generated from the NIRAP system.

The team coordinator will, by his professional capabilities and involvement in relevant research projects, be a recognized ERS leader in the subject matter area. He is responsible for (1) calling team meetings, (2) coordinating team activities, (3) formulating and documenting methodology for the appropriate NIRAP system component, (4) consulting and cooperating with the EPAS systems analyst in designing, developing, modifying, maintaining and operating ADP capabilities for effecting appropriate NIRAP system components and (5) keeping the ERS coordinator for projections fully informed of the projections team activities, status of the operational capability, documentation, and changes planned for NIRAP system components. Projection team members will bring their individual and program area professional expertise, information and projection requirements to bear on appropriate NIRAP system components and thus on the ERS projections program. They will cooperate with, and assist the team coordinator in planning and effecting appropriate projections capability in the NIRAP system. The NEAD Program Leader for Economic Projections and Analytical Systems (EPAS), is the ERS Coordinator for Projections and is the principal agent for fulfilling NEAD responsibilities to provide overall leadership for the ERS projections program. His responsibilities are specified in ERS General Memorandum No. 52.

Procedure

1. Generally, an Alternative Putures Projection Team will, annually by March 1: (a) appraise the expected operational capability of the NIRAP system, (b) identify major uncertainties in the U.S. and world economies impacting on U.S. agriculture; (c) estimate appropriate alternative levels or attributes of each uncertainty; (d) estimate the probabilities



of all reasonable combinations of levels or attributes of each uncertainty to fix alternative futures for U.S. agriculture; (e) select a manageable number of the alternative futures to comprise the Core ERS Projections Program and identify from these alternatives the ERS Projected Agricultural Baseline; and (f) prepare scenarios describing each alternative future in the core program. This activity will be completed and submitted for approval to appropriate Divisions' and Administrator's management teams by March 1 of each year. The approved scenarios will define the Core ERS Projections Program for the following fiscal year. Only those variables for which an operational projection capability can be expected to exist in the NIRAP system by the end of the current fiscal year will be considered in defining alternative futures.

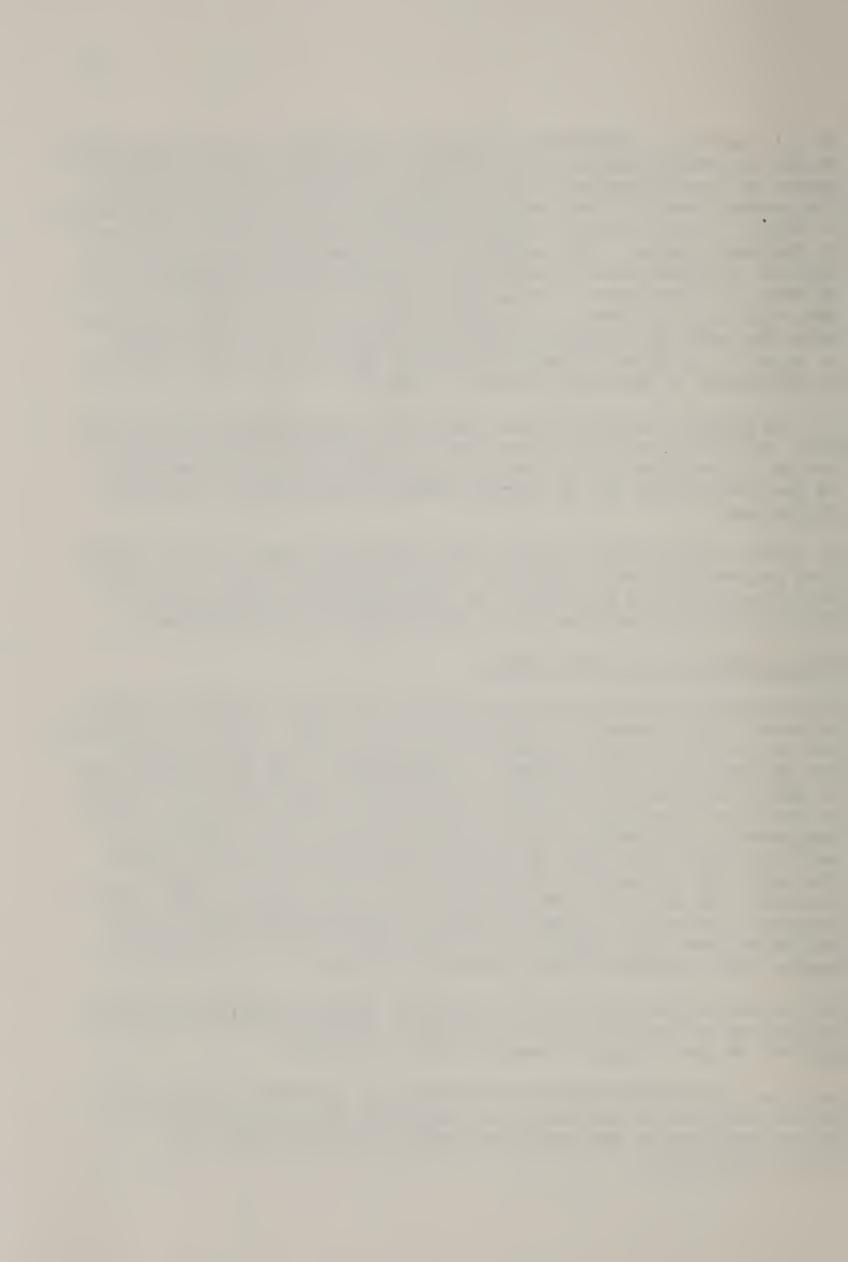
- 2. The Economic Projections and Analytical Systems (EPAS) Program Area, NEAD, will (a) physically develop and operate the NIRAP system in projecting major facets of U.S. agriculture under each alternative future in the core program and (b) prepare analyses and reports of resulting projections.
- 3. Other subject matter specific ERS projections teams will (a) counsel EPAS in developing and using NIRAP system component models, (b) review and adjust resulting projections as required, and (c) cooperate with EPAS in conducting analyses and compiling reports and publications.

Areas Covered by Projection Teams

There could be as many projection teams as there are variables in agriculture. Thus, judgement is required as to the major facets of agriculture that are most essential for ERS to have a good projections capability. And the ERS projections program is coordinated via the EPAS Program Area in NEAD. Both NEAD and the EPAS program have limited research resources and are held accountable for the productivity of those resources. Thus, management of the EPAS and ERS projections program are interdependent and each fiscal year, EPAS establishes project accountability factors that will tend to maximize the productivity of its limited research resources and satisfy the most pressing projection needs in ERS. Table 1 contains a tentative listing, with EPAS priorities indicated, of the projection teams that could be established over the next 2-3 years to enable ERS to accomplish the program objectives.

The tentative priorities are from the EPAS program accountability point of view and are an indication of the order in which we plan to initiate action. We are willing to consider other priorities.

Services of the NIRAP system are available to all program areas of ERS to make alternative projections or analytical extensions of the Core Projections Program that you judge useful in accomplishing your program objectives.



Future ERS Projection Memoranda will include specific Projection Team assignments and responsibilities.

WILLIAM T. MANLEY, Director

National Economic Analysis Division

Attachment

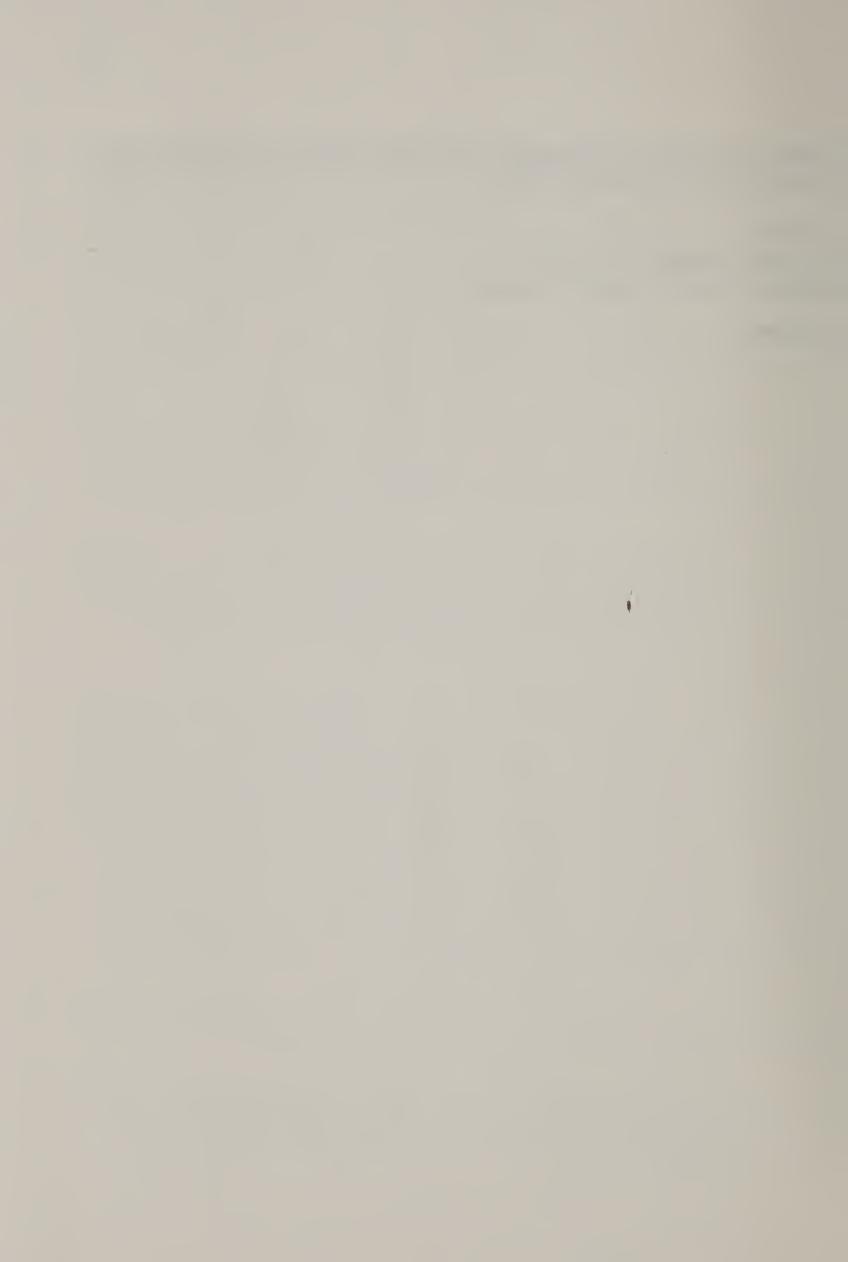


Table 1.--Major facets of U.S. and world agriculture for which ERS projection teams will be proposed in fiscal years 1974-76

Resource, input, service or product subsector of U.S. Food and Fiber sector	Major facet for which ERS needs a projection capability 1/	Priority for establishing a :projection team 2/
General Economy	Variables impact on agriculture	5 <u>4</u> /
	Population Employment GNP	
	Per capita disposable income Public monetary and fiscal	
	policy	
	Agricultural impacts on the general economy	
	Consumer food prices and availability	5 4/
	Secondary economic impacts of basic agricultural adjustments	17
Natural Resources	Land	4
	Cropland availability and basic productivity	
	Pastureland availability a basic productivity	and
	Conservation practices and land improvements	
	Land prices	
	Water,	9
	Irrigation water requirements	
	Irrigation water pricing	
	Livestock water requiremen	nts
	Rural domestic water requirements	

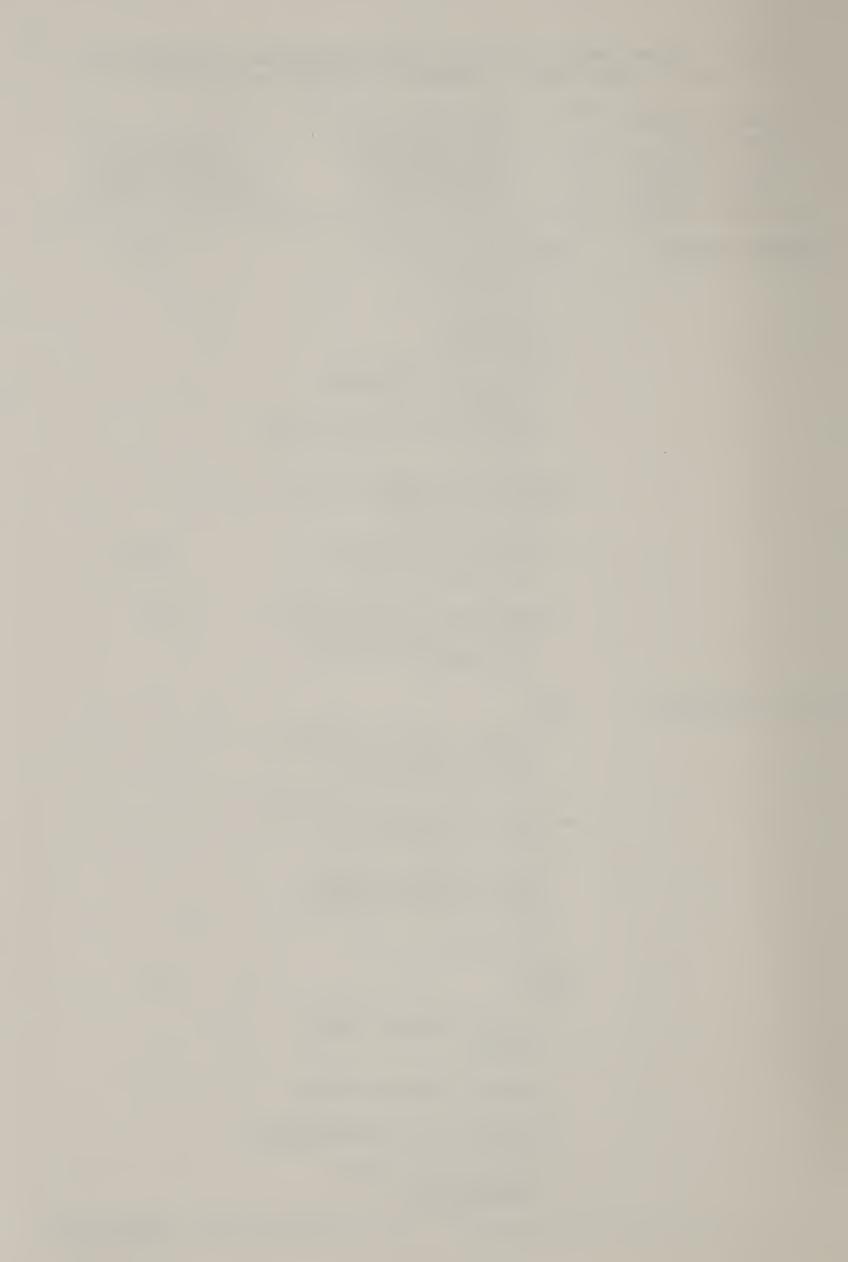


Table 1.--Major facets of U.S. and world agriculture for which ERS projection teams will be proposed in fiscal years 1974-76--Continued

		Continued
	Technological change Research and development	6
	Crop yields	2
Farm Production and Utilization	Aggregate supply and demand for food and fiber (commodity requirements)	3
	Organization Structure Performance Incentives	
	Industry characteristics 3/	16
	Custom Services	15
	Operator and family Hired	
	Labor	14
	Feed Seed Livestock	
	Farm produced	
	Machinery Fertilizer Buildings and equipment Misc. supplies Credit	,
	Fuel Electricity	
	Energy requirements	
Farm Inputs	Nonfarm produced	7
	Water quality	
and Their sector	Water related recreation	
of U.S. Food and Fiber sector	a projection capability 1/	establishing a projection team 2/
Resource, input, service or	Major facet for which ERS needs	Priority for

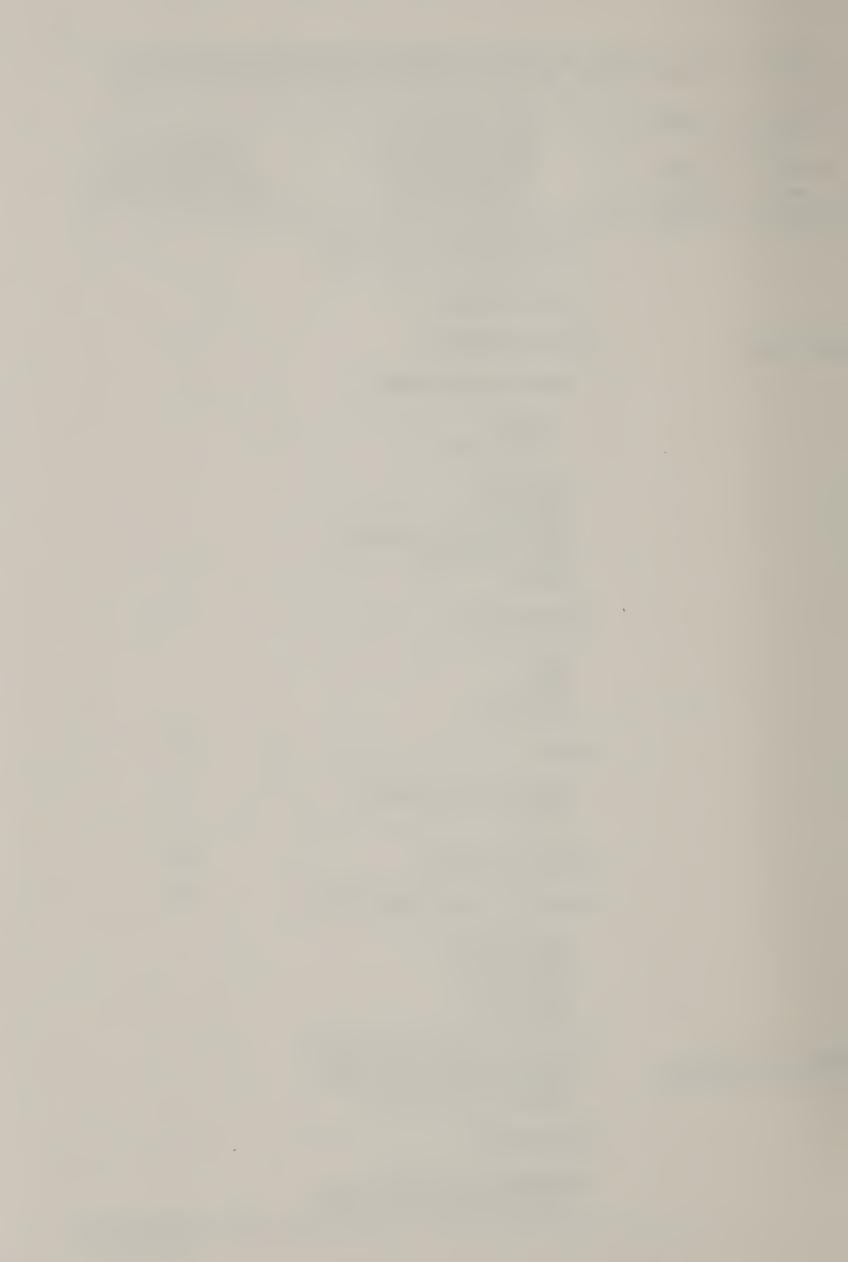


Table 1.--Major facets of U.S. and world agriculture for which ERS projection teams will be proposed in fiscal years 1974-76--Continued

Resource, input, service or product subsector of U.S. Food and Fiber sector	•	Major facet for which ERS needs a projection capability 1/	: Priority for : establishing a : projection team 2/ :
---	---	--	--

Productivity

Regional commodity supply and demand distribution

Enterprise production 10 practices, costs, and returns

Farm Income
Gross income
Production expenses
Net income
Capital gains and losses

Number and size of farms 13

Transportation

Farm inputs

Food and fiber marketing 12

11.

Processing
Wholesaling
Retailing
Foreign

Industry characteristics Organization

Structure Performance Incentives

1/ Projection capabilities will generally include analyses of both supply and demand to arrive at market prices and quantities and will consider relevant public policies and programs.

2/ The first priority is for an Alternative Futures Team to define, estimate probabilities of and write scenarios for alternative futures for U.S. agriculture, differing with respect to major uncertainties impacting on agriculture.

3/ Characteristics would be projected at the manufacturing, wholesaling,

retailing and servicing levels.

4/ Terry Barr in the Food Consumption, Demand Analysis and Consumer Interests Program, NEAD, can provide the needed information without ERS establishing a larger projection team.



UNITED STATES DEPARTMENT OF AGRICULTURE ECONOMIC RESEARCH SERVICE

WASHINGTON, D.C. 20280

January 8, 1974

ERS Projections Memorandum No. 2 - Alternative Futures Projection Team

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John Lee, CED
Joe Willett, FDCD
Gaylord Worden, NEAD
Program Leaders, NEAD
James Donald, NEAD
Allen Smith, NEAD
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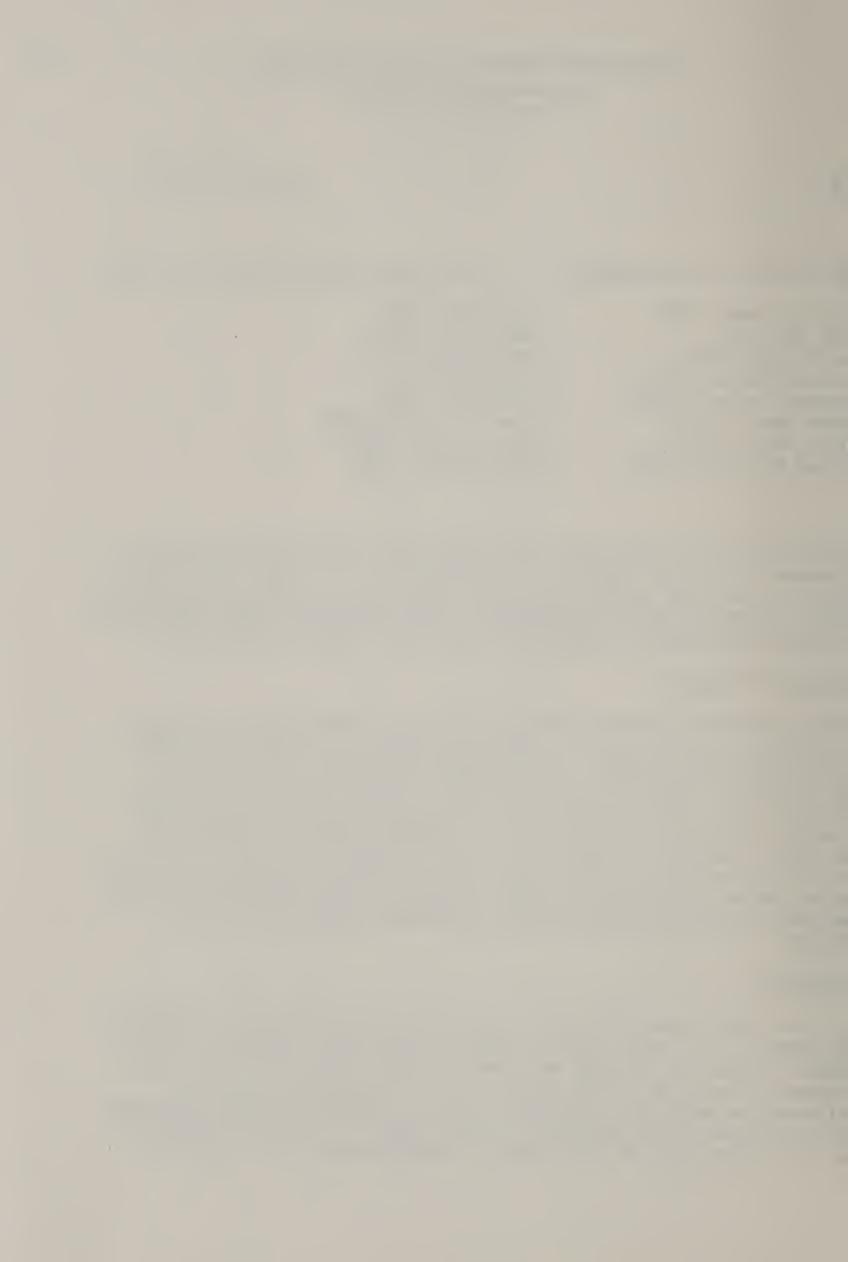
Responsibilities, procedures and organization of the ERS Alternative Futures Projection Team are delineated herein. Concerned individuals should also refer to ERS General Memorandum No. 52, Revised November 6, 1973, Economic Projections Program and ERS Projections Memorandum No. 1 - Standard Operating Procedures for Projection Teams, January 1974.

Responsibilities

The Alternative Futures Projection Team is responsible for defining alternative futures for U.S. agriculture that will comprise the ERS Core Projections Program. Alternative futures will focus on major uncertainties impacting on agriculture, consider potential problems in the future of U.S. agriculture and contribute toward anticipatory analysis, decision making and public program planning with respect to these potential problems. Also, the alternative futures will be selected consistent with the expected operational capability to project major facets of agriculture under each alternative future using ERS's automated National-Interregional Agricultural Projections (NIRAP) system.

Procedure

1. Generally, the Alternative Futures Projection Team will, annually by March 1: (a) appraise the expected operational capability of the NIRAP system; (b) identify major uncertainties in the U.S. and world economies impacting on U.S. agriculture; (c) estimate appropriate alternative levels or attributes of each uncertainty; (d) estimate the probabilities of all reasonable combinations of levels or attributes of each uncertainty to fix alternative futures for U.S. agriculture;



- (e) select a manageable number of the alternative futures to comprise the Core ERS Projections Program and identify from these alternatives the ERS Projected Agricultural Baseline; and (f) prepare scenarios describing each alternative future in the core program. This activity will be completed and submitted for approval to appropriate Divisions' and Administrator's management teams by March 1 of each year. The approved scenarios will define the Core ERS Projections Program for the following fiscal year. Only those variables for which an operational projection capability can be expected to exist in the NIRAP system by the end of the current fiscal year will be considered in defining alternative futures.
- 2. The Economic Projections and Analytical Systems (EPAS) Program Area, NEAD, will: (a) physically develop and operate the NIRAP system in projecting major facets of U.S. agriculture under each alternative future in the core program; and (b) prepare analyses and reports of resulting projections.
- 3. Other subject matter specific ERS projection teams will: (a) counsel EPAS in developing and using NIRAP system component models, (b) review and adjust resulting projections as required, and (c) cooperate with EPAS in conducting analyses and compiling reports and publications.
- 4. The team coordinator will schedule team meetings as required to accomplish assigned responsibilities.

In order to provide a limited Core Projections Program for fiscal 1974, the Alternative Futures Team will meet early in January to define a limited number of alternative futures based on alternative projections of national population, net farm exports and productive capacity. And only commodity production, crop yields and cropland requirements at the national, farm production regional and state level will be projected in the fiscal 1974 program. Other efforts in the projections program during fiscal 1974 will be directed toward developing an expanded operational projections capability for use in fiscal 1975.

Organization

NEAD: Leroy Quance -- Team Coordinator

James Donald -- Situation and Outlook

Allen Smith -- National requirements for food and fiber

Virden Harrison -- Crop Yields

Terry Barr -- General economic conditions

John Berry -- Input supplies and prices

Eldon Weeks -- Indicators of sector performance

CED: David Culver -- Commodity Program Analyses



FDCD: Tony Rojko -- International Trade

NRED: Roger Strohbehn -- Natural Resource Use and Environmental Concerns

EDD: Clark Edwards -- Economic Development

Team membership may be changed at the request of Division Directors.

WILLIAM T. MANLEY, Director

William J. In Namely

National Economic Analysis Division



UNITED STATES DEPARTMENT OF AGRICULTURE ECONOMIC RESEARCH SERVICE

WASHINGTON, D.C. 20250

January 8, 1974

ERS Projections Memorandum No. 3 - Commodity Requirements Projection

TO: Melvin Cotner, NRED
John Lee, CED
Joe Willett, FDCD
Gaylord Worden, NEAD
Program Leaders, NEAD
Jim Matthews, NEAD
Allen Smith, NEAD

JECT:

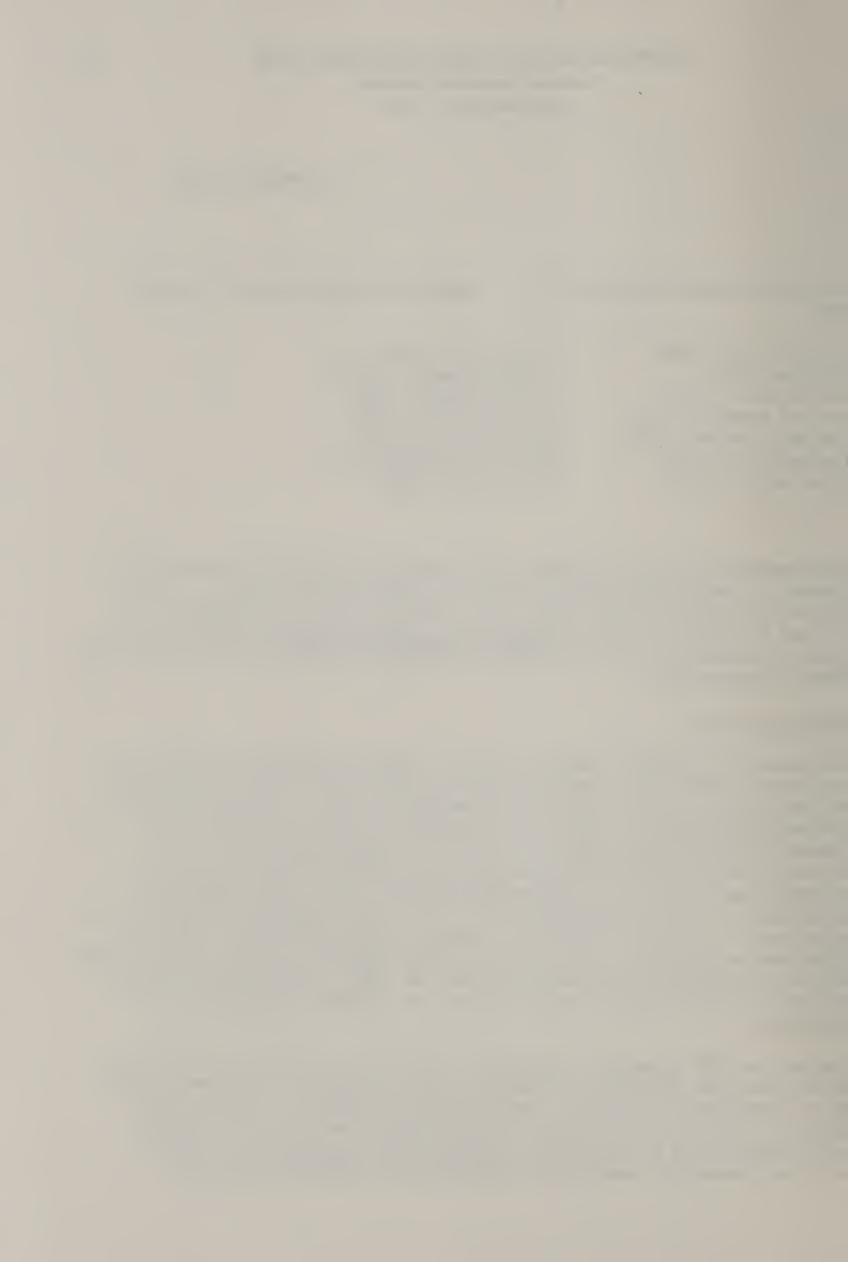
Jerry Plato, NEAD Clifford Carman, NEAD Marlin Hanson, NRED Arlene Howell, NRED Richard Crom, CED Milton Ericksen, CED Tony Rojko, FDCD

The responsibilities, procedures and organization of the ERS National Commodity Requirements Projection Team are delineated herein. Concerned individuals should also refer to ERS General Memorandum No. 52, Revised November 6, 1973, Economic Projections Program and ERS Projections Memorandum No. 1 - Standard Operating Procedures for Projection Teams, January 1974.

Responsibilities

The national framework component of ERS's National-Interregional Projections (NIRAP) System is designed to project the national production and utilization of food and fiber commodities under each alternative future designated by the Alternative Futures Projection Team. The Commodity Requirements Projection Team is responsible for (1) consulting with the Economic Projections and Analytical Systems (EPAS) program area, NEAD to (a) determine variables relevant to commodity production-utilization projections and (b) select appropriate empirical techniques to use in developing a commodity production-utilization NIRAP system component, and (2) evaluating national commodity production-utilization projections generated from the NIRAP system prior to their release in staff reports, publications, or informally provided ERS clientele.

The desired ERS commodity production-utilization projection capability should have the following attributes: (1) an automated system capable of (a) processing historical and projected information for up to 31 crop and livestock commodities with appropriate utilization detail, both domestic and foreign; (b) simulating appropriate price-quantity and cross-commodity causal relationships in a consistent manner;



(c) enabling rapid response to questions regarding alternative futures for U.S. agriculture with respect to uncertainties impacting on commodity production and utilization; and (d) linking with other components of the NIRAP system to consistently project other major facets of agriculture such as crop acreage, production costs, farm income and consumer food prices.

Procedure

- 1. The Commodity Requirements Team will annually review and make recommendations on empirical techniques for projecting commodity production-utilization proposed by EPAS as an integrated component of the NIRAP system.
- 2. EPAS will develop the required NIRAP system component and generate commodity projections under each alternative future in the ERS Core Projections Program with one such alternative designated the Projected Agricultural Baseline.
- 3. The Commodity Requirement Projection Team will review the commodity projections and adjust as necessary.
- 4. After final checks for consistency among component projections, the commodity production-utilization projections will serve as inputs into other NIRAP system components for projecting such variables as cropland use, etc. And EPAS, in cooperation with team members from other Program Areas, will use the commodity projections in conducting analyses and preparing reports and publications. Commodity projections will be completed by March 1 each year.

Organization and Participation

Because commodity projections are critical on an agency-wide basis, it is essential to have agency-wide participation in this important projections activity. Assistance from various commodity, foreign trade, and resource specialists is required if we are to provide a reliable and consistent projections capability. And over time, as our commodity projections capability encompasses more sophisticated supply-demand relationships, this single Commodity Requirements Projection Team will subdivide into individual or commodity-group teams.

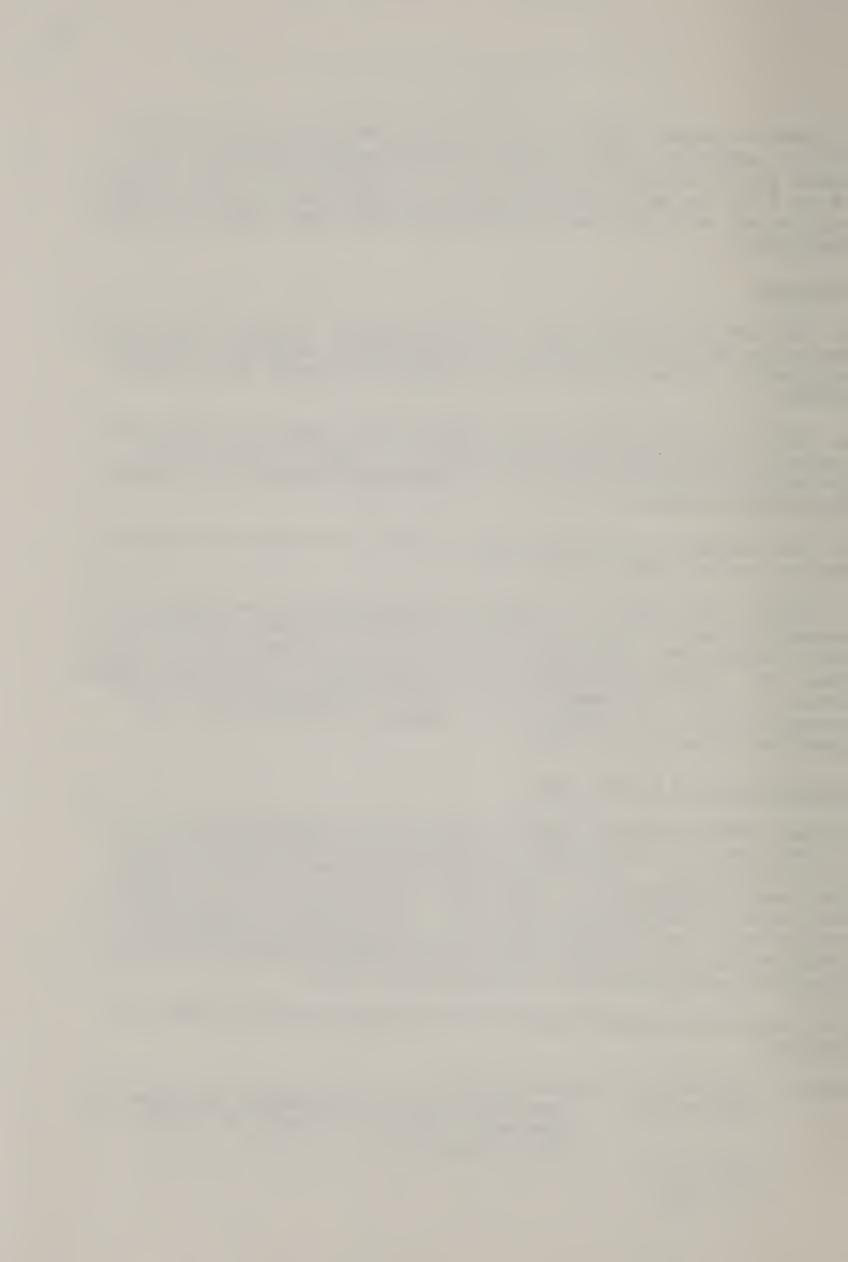
Participation on the ERS Commodity Requirements Projection Team is as follows:

NEAD: Allen Smith -- Team Coordinator

Jimmy Matthews -- Developing an improved commodity and aggregate
farm output analytical capability for the

NIRAP system

Jerry Plato C. J. Yeh



NRED: Larry Schluntz -- Natural Resource Considerations

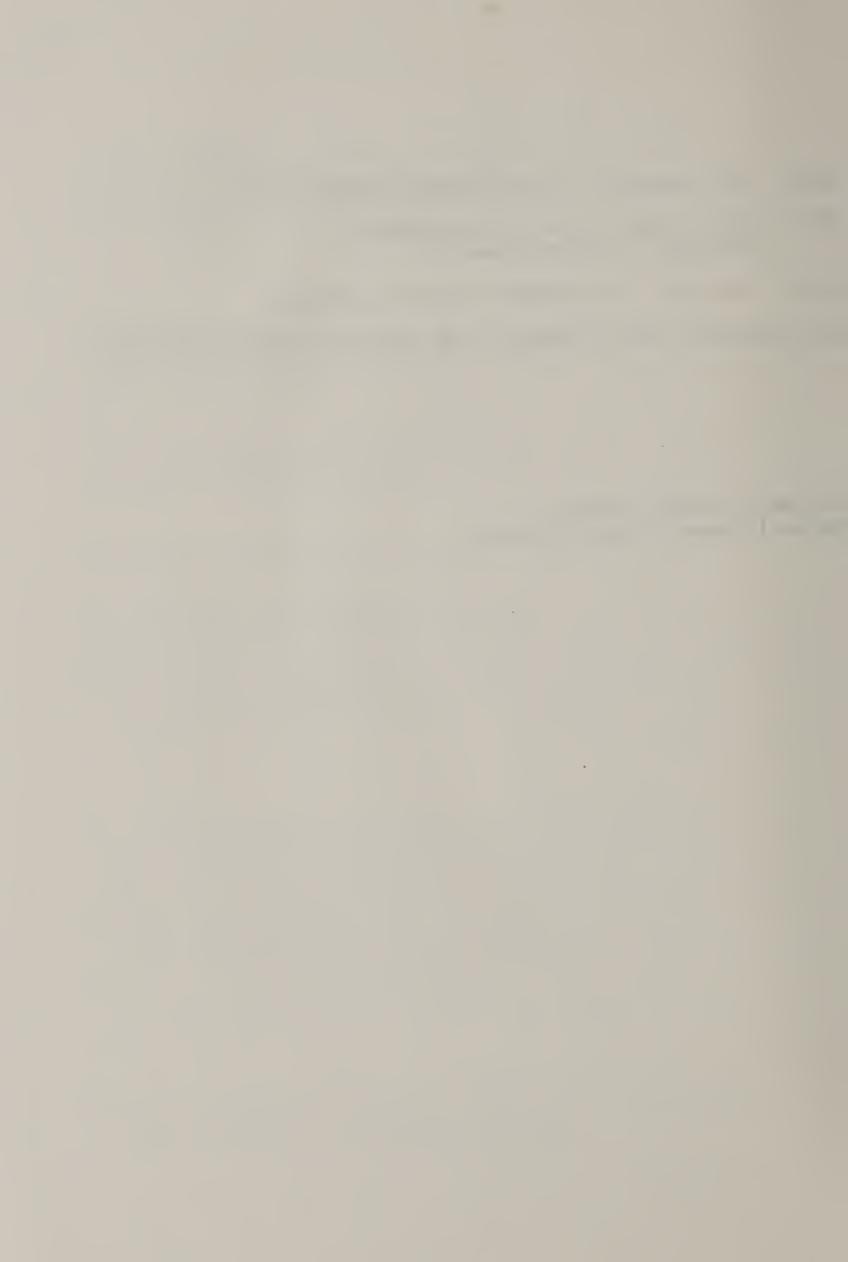
CED: Richard Crom -- Livestock relationships

Ted Moriak -- Crop relationships

FDCD: Tony Rojko -- Agricultural exports and imports

Team assignments may be changed at the request of Division Directors.

WILLIAM T. MANLEY, Director National Economic Analysis Division



UNITED STATES DEPARTMENT OF AGRICULTURE ECONOMIC RESEARCH SERVICE

WASHINGTON, D.C. 20250

January 8, 1974

ERS Projection Memorandum No. 4 - Crop Yield Projection Team

Melvin Cotner, NRED
John Lee, CED
Bill Motes, EDD
Joe Willett, FDCD
Gaylord Worden, NEAD
Program Leaders, NEAD
Virden Harrison, NEAD

ECT:

TO:

Don Durost, NEAD
David Harrington, NEAD
John Fritschen, NRED
Arlene Howell, NRED
Wyatte Harman, CED
Orville Overboe, ASCS
Jack Aschwege, SRS
L. P. Reitz, ARS

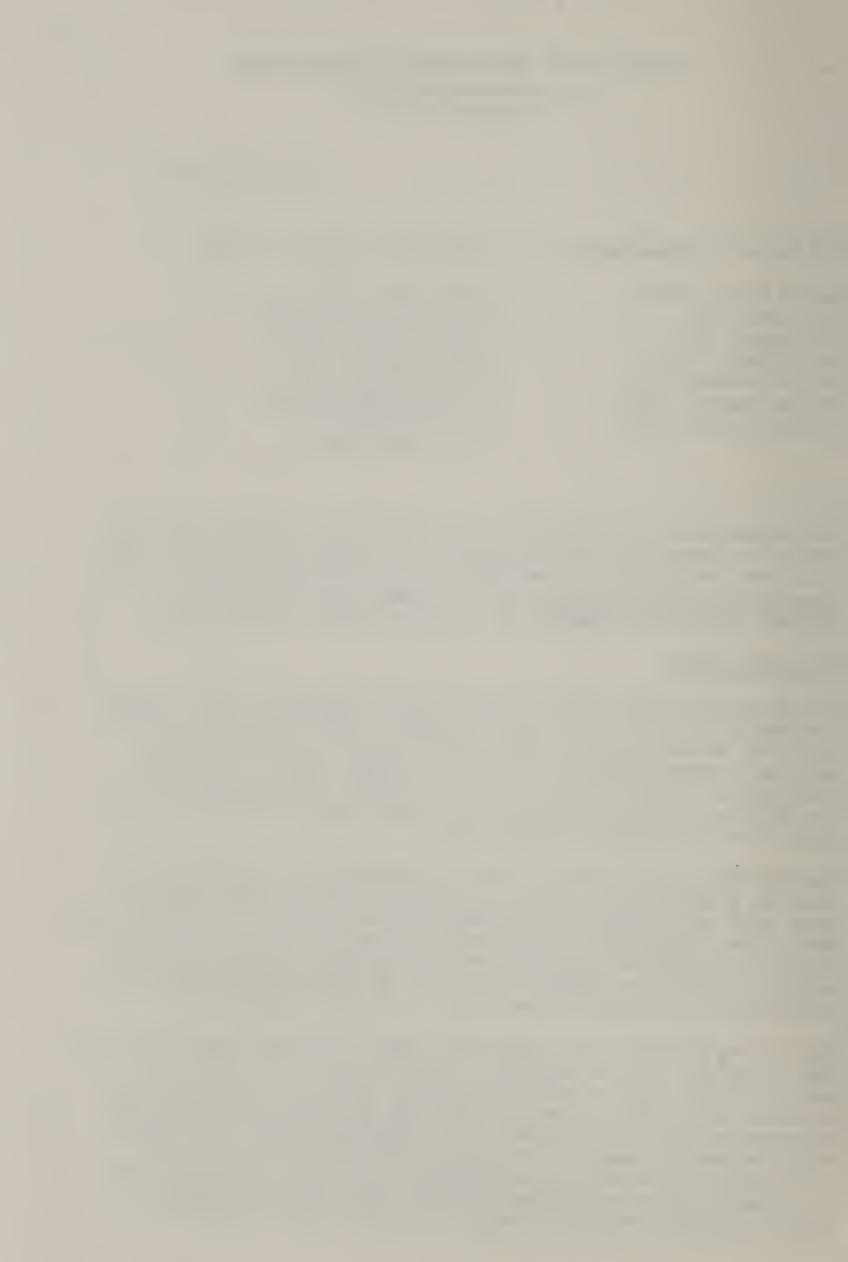
The responsibilities, procedures, and organization of ERS Crop Yield Projection Teams are delineated herein. Concerned individuals should also refer to ERS General Memorandum No. 52, Revised November 6, 1973, Economic Projections Program and ERS Projections Memorandum No. 1 - Standard Operating Procedures for Projection Teams, January 1974.

Responsibilities

The Secretary's Memorandum No. 1769, Revised (March 21, 1972) assigns the Administrator of the Economic Research Service responsibility for providing to the Interagency Commodity Estimates Committees basic data and economic analyses relating to acreage, yields, production, utilization, foreign trade and price estimates of each commodity. The ERS Crop Yield Projection Team is responsible for fulfilling this obligation with respect to crop yields.

The ERS Crop Yield Projection Team is responsible for (1) consulting with the Economic Projections and Analytical Systems (EPAS) Program Area, NEAD to (a) determine variables relevant to crop yield projections; and (b) select appropriate empirical techniques to use in developing a crop yield projecting component to ERS's National-Interregional Agricultural Projections (NIRAP) System; and (2) evaluating and adjusting if necessary, crop yield projections for official USDA release.

The desired ERS crop yield projecting capability should have the following attributes: (1) an automated system capable of (a) processing historical data and projecting crop yields from up to 50 states, 20 or so commodities, and 2-3 special production practices; (b) simulating appropriate causal relationships in a consistent manner; (c) enabling rapid response to questions regarding alternative futures for U.S. agriculture with respect to uncertainties affecting crop yields; and (d) linking with other components of the NIRAP system to project commodity production and crop acreage as well as yields. Some of the



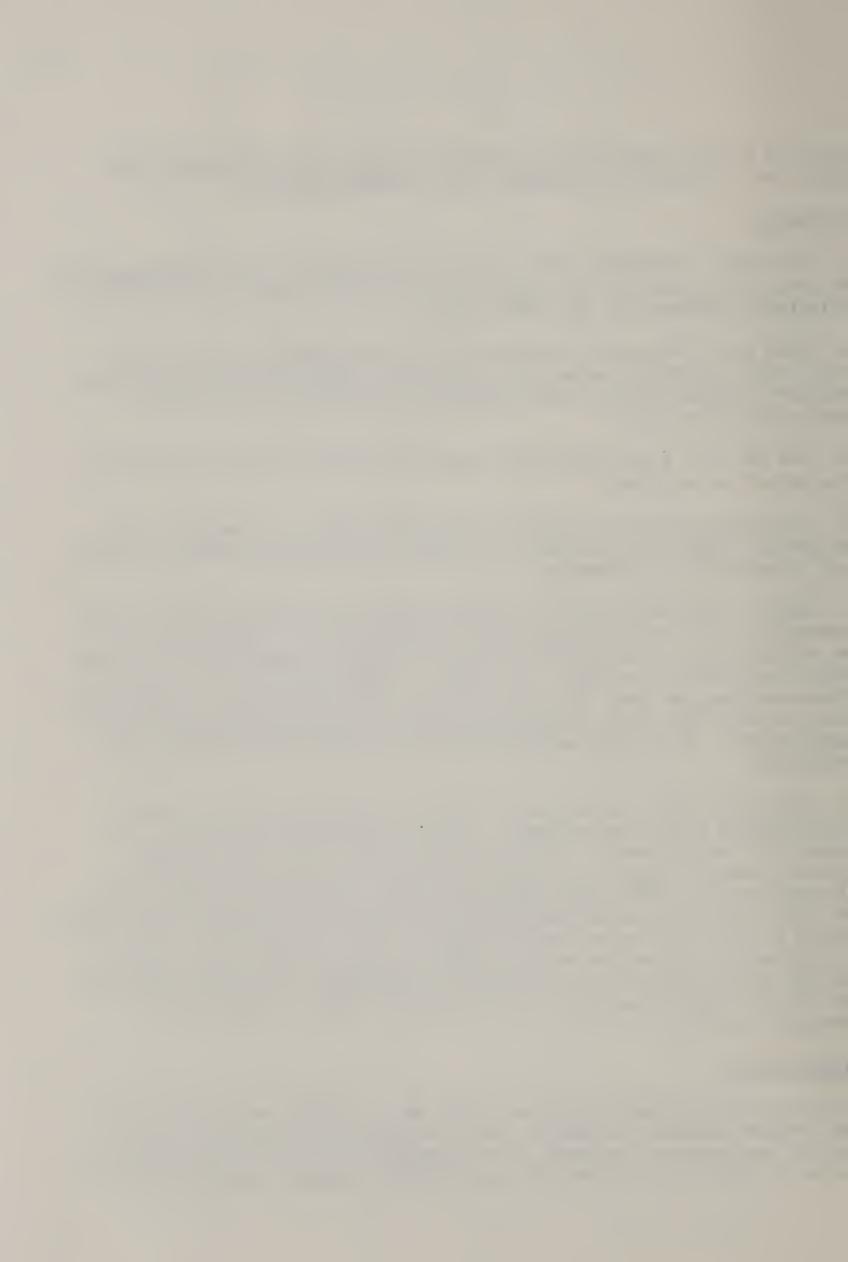
required causal relationships involve technology, fertilizer and other input use, irrigation development, and commodity programs.

Procedure

- 1. The Yield Projection Team will annually review and make recommendations on empirical techniques for projecting crop yields proposed by EPAS as an integrated component of the NIRAP system.
- 2. EPAS will develop the required NIRAP system component and generate crop yield projections under each alternative future in the ERS Core Projections Program with one such alternative designated the Projected Agricultural Baseline.
- 3. The ERS Crop Yield Projection Team will review the yield projections and adjust as necessary.
- 4. Yield projections will then be reviewed by Special Commodity Yield Projection Teams and adjusted as necessary for commodity specific outlook and technological information.
- 5. After final checks by the Yield Projection Team for consistency among commodities, the Projected Agricultural Baseline yield projections will be released to the Interagency Commodity Estimates Committees as official USDA crop yield projections. And EPAS, in cooperation with team members from other program areas will use the crop yield projections in projecting other related variables, conducting analyses, and preparing reports and publications. Crop yield projections will be completed by February 15 each year.
- 6. For fiscal 1974, an analytical capability with the desired casual relationships is not operational. Thus the following abbreviated procedure will be followed: (a) the ERS Crop Yield Projection Team and Special Commodity Crop Yield Projection Teams will review and adjust if necessary, the USDA crop yield projections released January 31, 1973; (b) this review and adjustment process will consider changes in historical trends and possible impacts of the energy crisis on crop yields; and (c) following this review and adjustment process, the ERS Crop Yield Projection Team coordinator will release the adjusted crop yield projections as official USDA projections. This procedure should be completed by February 15, 1974.

Organization

Because crop yield projections are critical on a Departmental-wide basis for program planning, budgeting, and for evaluating and administering present and proposed programs, it is essential to have interagency participation in ERS crop yield projecting activities and that these activities



be conducted in close accord with the Interagency Commodity Estimates Committees. Participation on the ERS Crop Yield Projection Team is as follows:

ERS

NEAD: Virden Harrison -- Team Coordinator

Don Durost -- Technological change David Harrington -- Fertilizer use

NRED: John Fritschen -- Land availability and basic productivity

CED: Wyatte Harman -- Commodity Program Analysis

ASCS Orville Overboe -- Interagency Commodity Committees

ARS L. P. Reitz -- Crop breeding and production technology

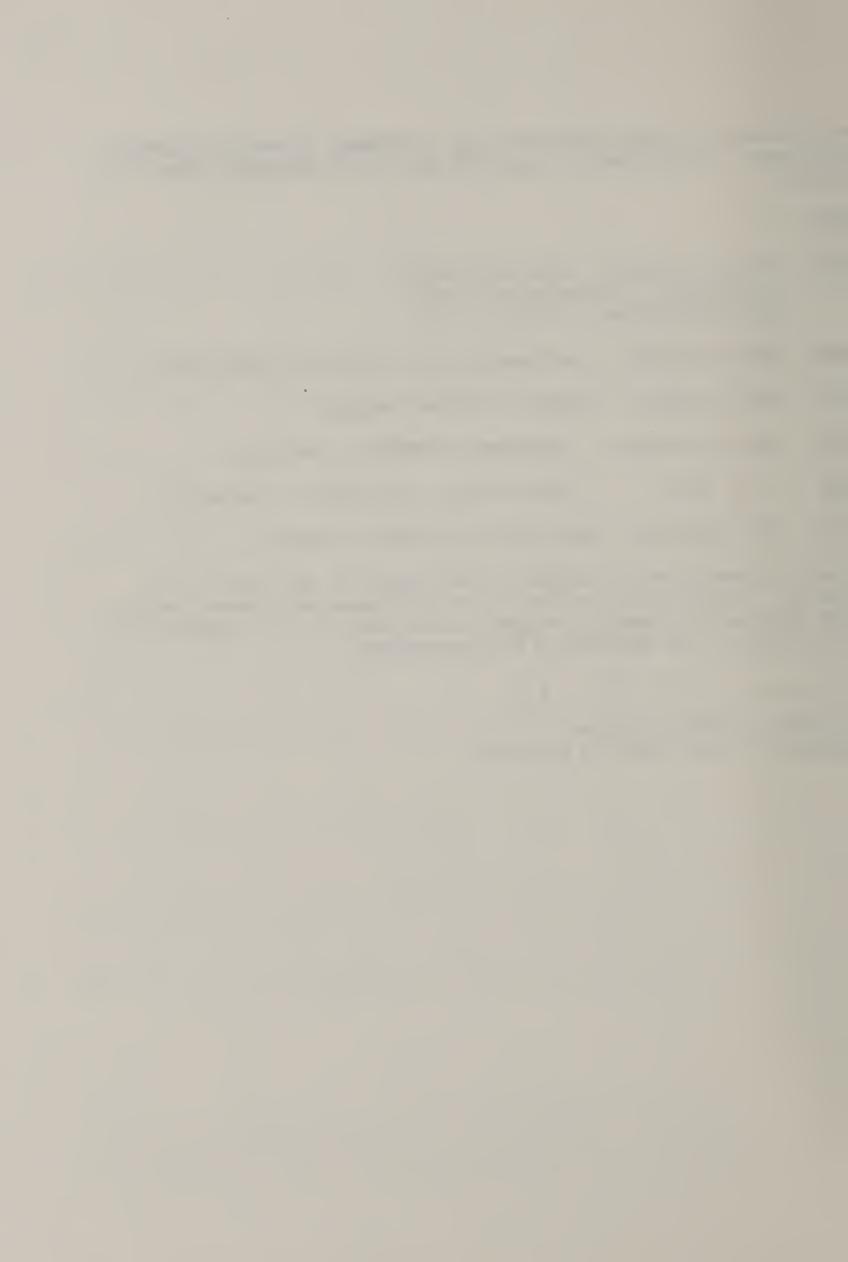
SRS Jack Aschwege -- Data sources and crop estimates

Team assignments may be changed at the request of each Division or Agency. Special Commodity Yield Projection Teams with representation from Interagency Commodity Estimates Committees will be designated at a later date as an addendum to this memorandum.

WILLIAM T. MANLEY, Director

William I. Wouly

National Economic Analysis Division



UNITED STATES DEPARTMENT OF AGRICULTURE ECONOMIC RESEARCH SERVICE WASHINGTON, D.C. 20220

January 30, 1974

Addendum to ERS Projection Memorandum No. 4 -- Crop Yield Projection Team

TO: Melvin Cotner, NRED
John Lee, CED
Jim Vermeer, CED
Bill Motes, EDD
Joe Willett, FDCD

SUBJECT:

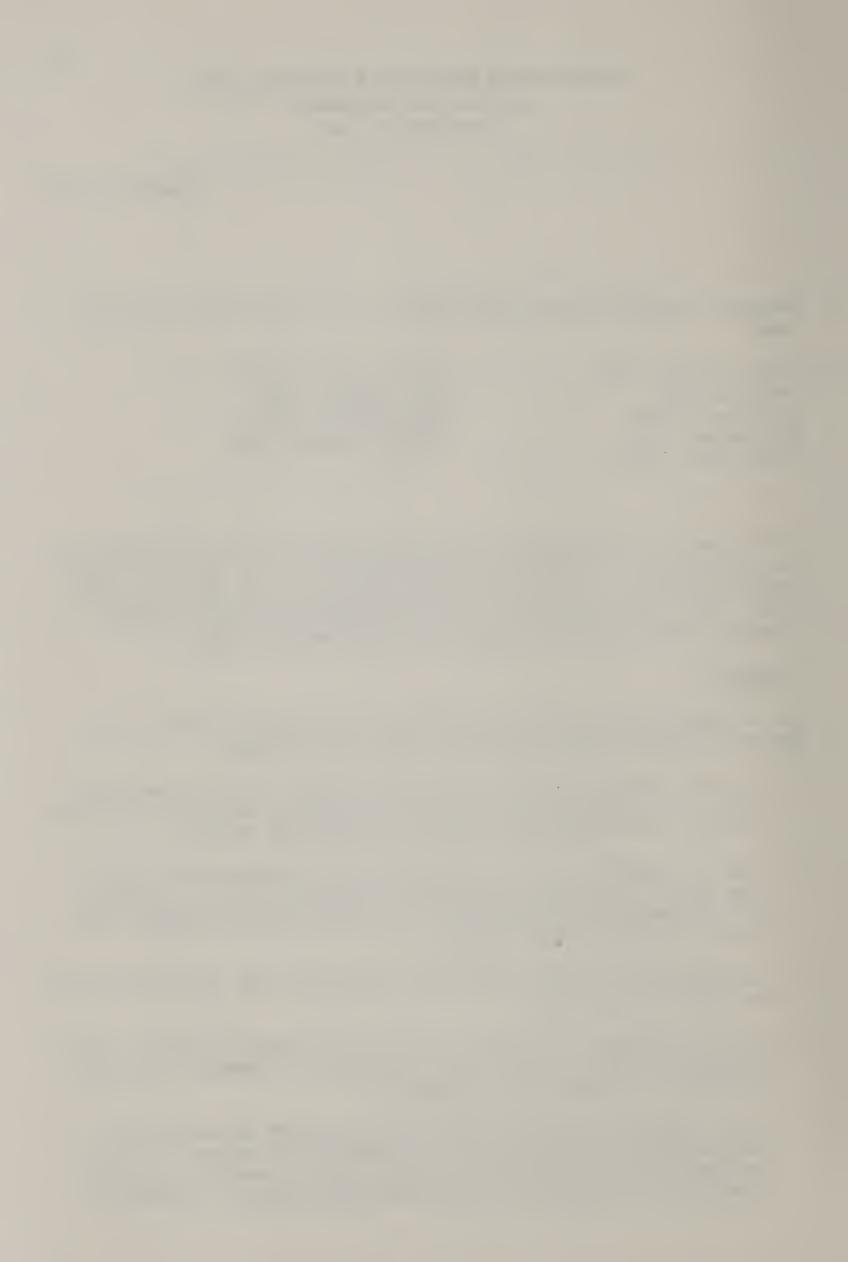
Gaylord Worden, NEAD
James Donald, NEAD
Arlene Howell, NRED
Program Leaders, NEAD

ERS Projections Memorandum No. 4 dated January 8, 1974 established the responsibilities, procedures, and organization of the ERS Crop Yield Projection Team. In addition to that team, which has overall responsibility for yield projections, this memorandum establishes Special Commodity Yield Projection Teams for nine commodity areas.

Procedure

The interrelationship between the ERS Yield Projection Team and the Special Commodity Yield Projection Teams is as follows:

- 1. The Yield Projection Team will annually review and make recommendations on empirical techniques for projecting crop yields proposed by EPAS as an integrated component of the NIRAP system.
- 2. EPAS will develop the required NIRAP system component and generate crop yield projections under each alternative future in the ERS Core Projections program with one such alternative designated the Projected Agricultural Baseline.
- 3. The ERS Crop Yield Projection Team will review the yield projections and adjust as necessary.
- 4. Yield projections will then be reviewed by Special Commodity Yield Projection Teams and adjusted as necessary for commodity specific outlook and technological information.
- 5. After final checks by the Yield Projection Team for consistency among commodities, the Projected Agricultural Baseline yield projections will be released to the Interagency Commodity Estimates Committees as official USDA crop yield projections. And EPAS, in



- cooperation with team members from other program areas will use the crop yield projections in projecting other related variables, conducting analyses, and preparing reports and publications. Crop yield projections will be completed by February 15 each year.
- 6. For fiscal 1974, an analytical capability with the desired causal relationships is not operational. Thus the following abbreviated procedure will be followed: (a) the ERS Crop Yield Projection Teams will review and adjust if necessary the USDA crop yield projections released January 31, 1973; (b) this review and adjustment process will consider changes in historical trends and possible impacts of the energy crisis on crop yields; and, (c) following this review and adjustment process, the ERS Crop Yield Projection Team coordinator will release the adjusted crop yield projections as official USDA projections. This procedure should be completed by February 15, 1974.

Organization

As shown in the January 8, 1974 memo, the ERS Crop Yield Projection Team is composed of the following members:

Virden Harrison, ERS, NEAD, Team Coordinator
Donald Durost, ERS, NEAD, Technological Change
David Harrington, ERS, NEAD, Fertilizer Use
John Fritschen, ERS, NRED, Land Availability and Basic Productivity
Wyatte Harman, ERS, CED, Commodity Program Analysis
Orville Overboe, ASCS, Interagency Commodity Committees
L. P. Reitz, ARS, Crop Breeding and Production Technology
Jack Aschwege, SRS, Data Sources and Crop Estimates

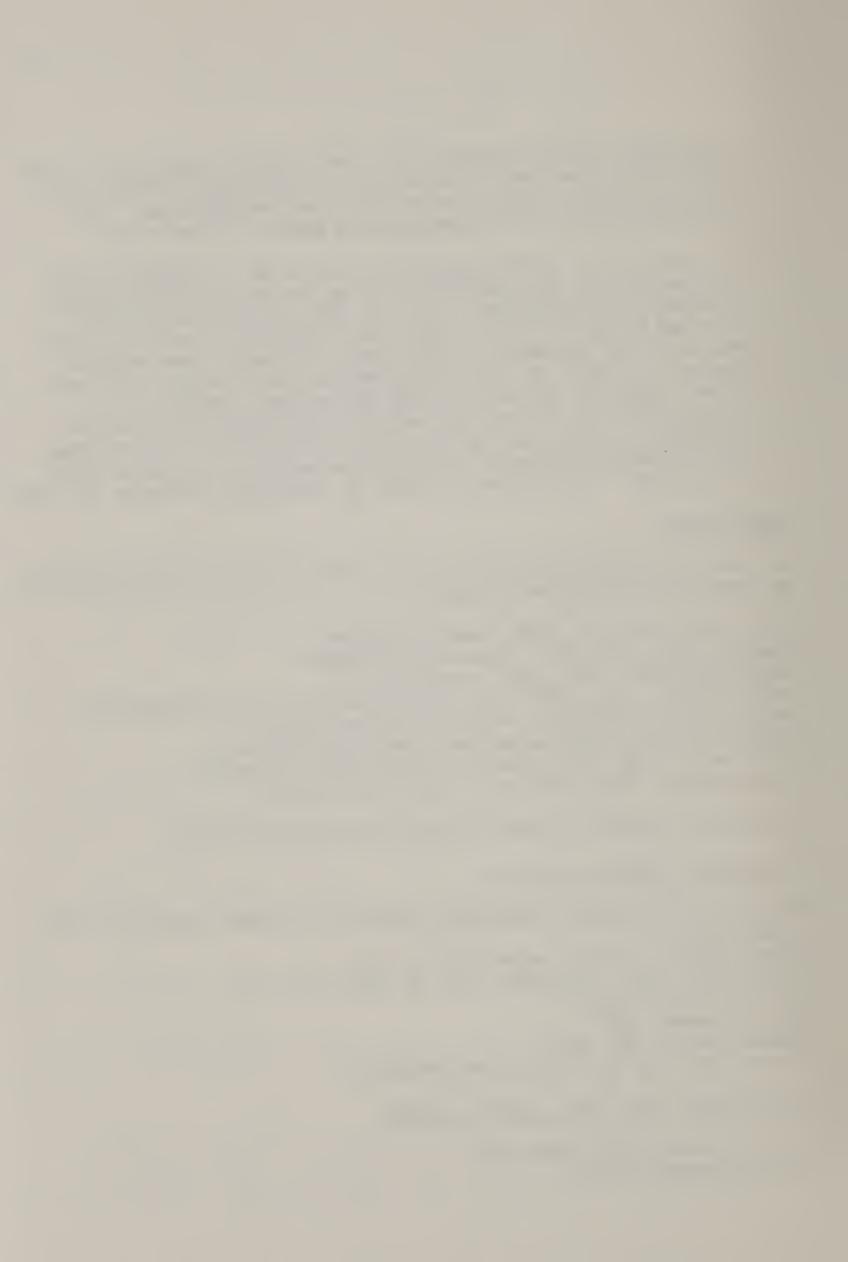
The Special Commodity Yield Projection Teams are as follows:

Food Grains--Wheat, rice, rye

Paul King, ASCS, Member Interagency Commodity Estimates Committee (ICEC) for wheat
George Schaefer, ASCS, member ICEC for rice
James Naive, ERS, CED, member ICEC for wheat and rice
Francis Gomme, ERS, CED
Dean Hazenmyer, SRS
Donald Durost, ERS, NEAD
Virden Harrison, ERS, NEAD, Team Coordinator

Feed Grains--Corn, oats, barley, sorghum

William Askew, ASCS, member ICEC Orville Overboe, ASCS



James Naive, ERS, CED, member ICEC
Jack Ross, ERS, CED
Carl Cross, SRS
Donald Durost, ERS, NEAD
Virden Harrison, ERS, NEAD, Team Coordinator

Oil Crops--Soybeans, flaxseed, peanuts, others

Malcolm Maclay, ASCS, member ICEC (soybeans, flax)
R. G. Burton, ASCS (peanuts)
George Kromer, ERS, CED, member ICEC
William Hamlin, SRS (soybeans)
Donald Bay, SRS (peanuts)
Donald Durost, ERS, NEAD
Virden Harrison, ERS, NEAD, Team Coordinator

Cotton

Thomas Beatty, ASCS, member ICEC or C.V. Cunningham, ASCS Russell Barlowe, ERS, CED, member ICEC Donald Bay or Don Ledford, SRS Donald Durost, ERS, NEAD Virden Harrison, ERS, NEAD, Team Coordinator

Tobacco

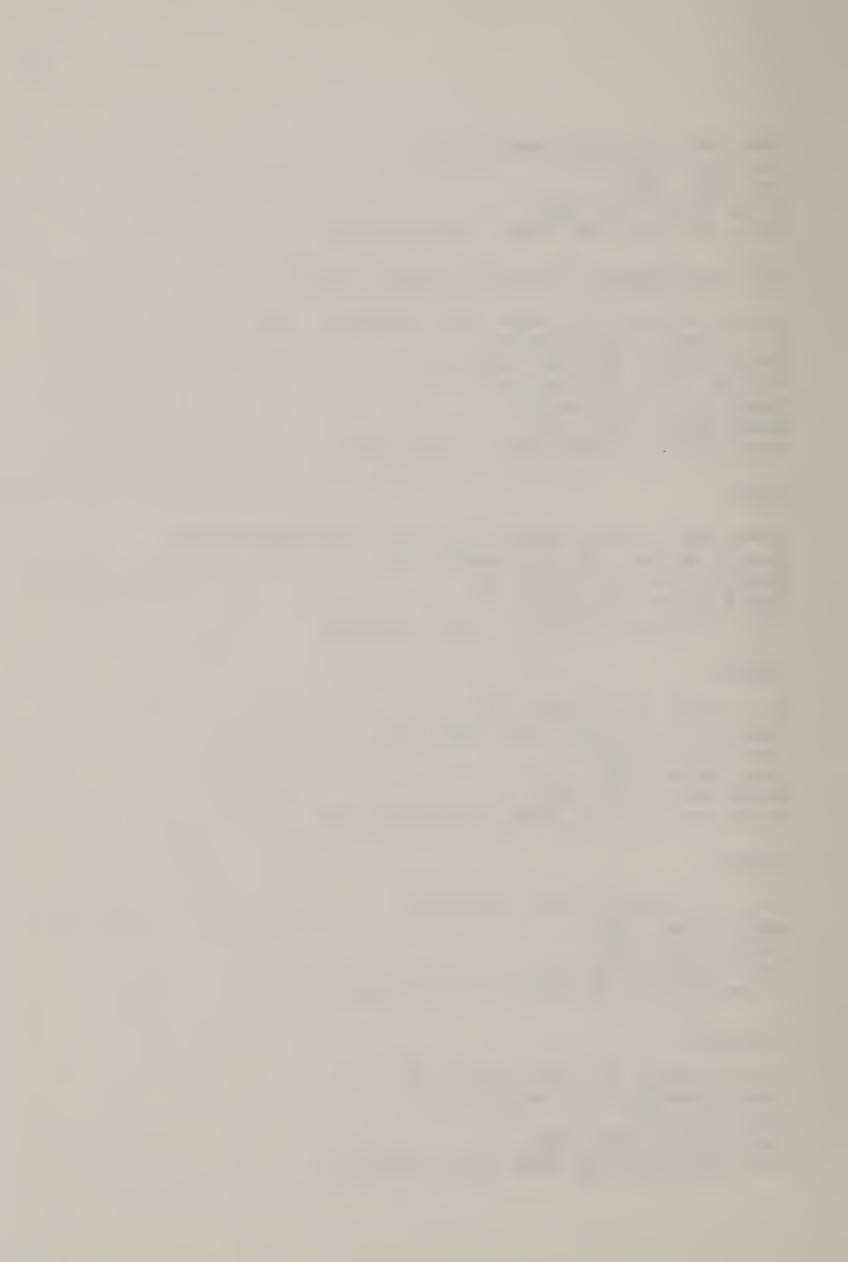
E. W. Grove, ASCS, member ICEC
Robert H. Miller, ERS, CED, member ICEC
Owen Shugars, ERS, CED
Robert Karnes, SRS
Donald Durost, ERS, NEAD
Virden Harrison, ERS, NEAD, Team Coordinator

Potatoes

Charles Porter, ERS, CED, member ICEC
George Rippel, ASCS,
Donald Fedewa, SRS
Donald Durost, ERS, NEAD
Virden Harrison, ERS, NEAD, Team Coordinator

Dry Beans

Charles Porter, ERS, CED, member ICEC George Schaefer, ASCS, member ICEC Donald Bay, SRS Donald Durost, ERS, NEAD Virden Harrison, ERS, NEAD, Team Coordinator



Sugar Beets and Sugarcane

Robert Stansberry, ASCS
Bruce Walter, ERS, CED
Donald Bay or Robert Karnes, SRS
Donald Durost, ERS, NEAD
Virden Harrison, ERS, NEAD, Team Coordinator

Fruits, Nuts

Andy Duymovic, ERS, CED
Donald Fedewa, SRS
Donald Durost, ERS, NEAD
Virden Harrison, ERS, NEAD, Team Coordinator

Team assignments may be changed as appropriate at the request of each Division or Agency.

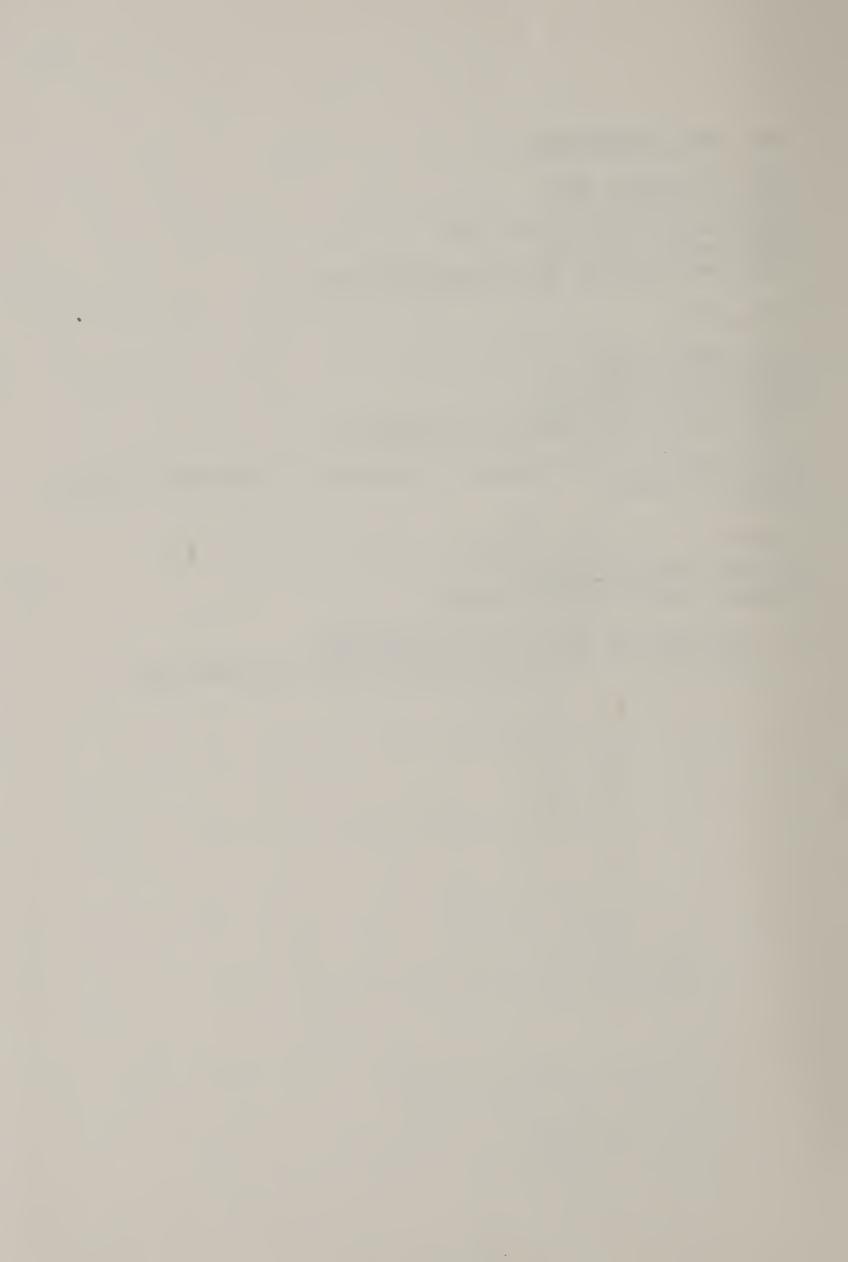
WILLIAM T. MANLEY, Director

William J. Manly

National Economic Analysis Division

cc: All members of Crop Yield Projection Team

All members of the Special Commodity Yield Projection Teams



UNITED STATES DEPARTMENT OF AGRICULTURE ECONOMIC RESEARCH SERVICE

WASHINGTON, D.C. 20250

DRAFT

August 28, 1974

SUBJECT: ERS Projections Memorandum No. 5 - Land Projection

Team

TO: Administrator

etal.

Virden Harrison, NEAD Robert Reinsel, NEAD Wyatte Harman, CED John Fritschen, NRED Larry Schluntz, NRED

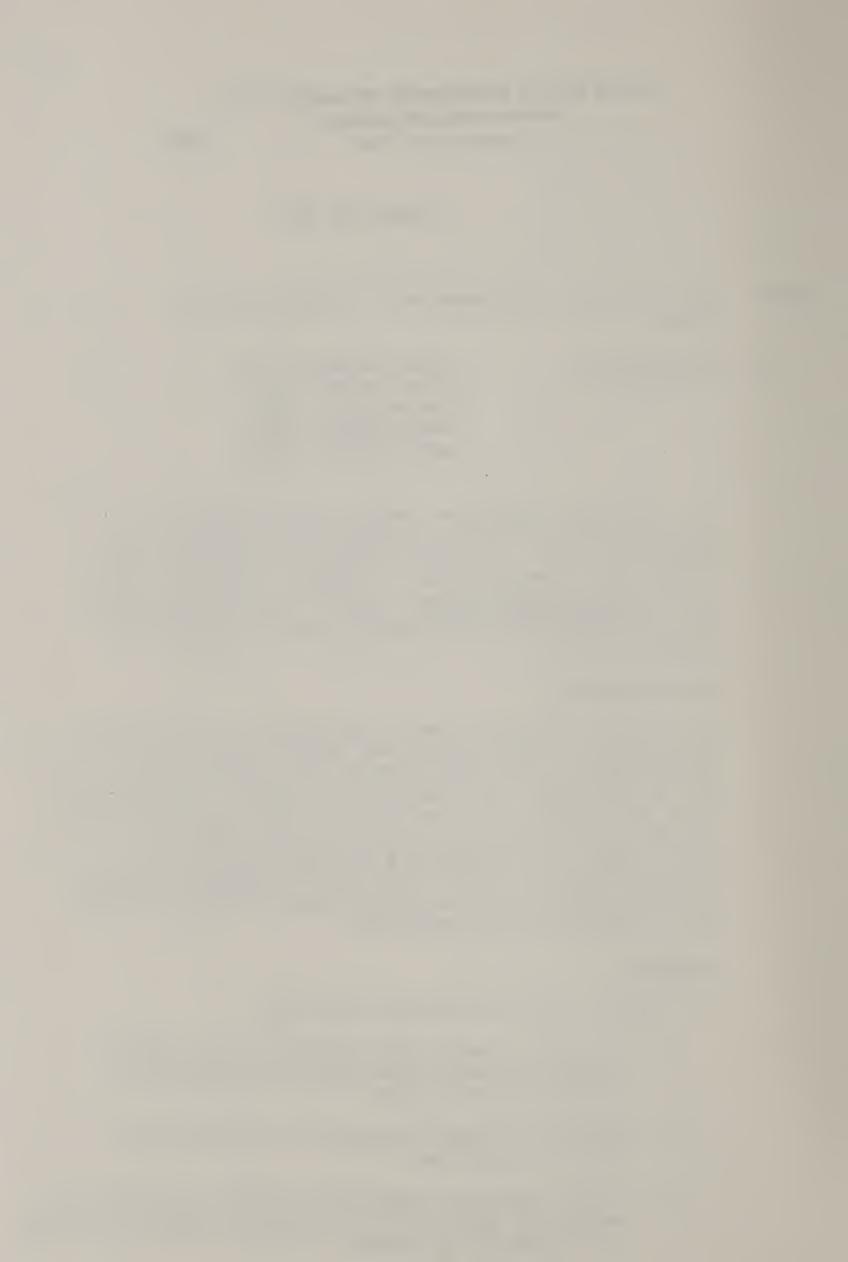
This memorandum establishes an ERS Land Projection Team. Proposed responsibilities, procedures and organization are delineated below. Concerned individuals should also refer to ERS General Memorandum No. 52, Revised November 6, 1973, Economic Projections Program and ERS Projections Memorandum No. 1, Standard Operating Procedures for Projection Teams, January 8, 1974.

Responsibilities:

The ERS Land Projection Team is responsible for advising and assisting the Economic Projections and Analytical Systems (EPAS) program area, NEAD regarding land availability and land use in the future. This team will focus on the potential problems and uncertainties concerning the land which will be available and alternative uses that could compete with agriculture. They will be responsible for reviewing and making recommendations on all ERS manuscripts involving projections of land, prepared either as staff studies or for publication, and for research project proposals.

Procedure:

- 1. Initially the Land Projection Team will:
 - (1) delineate separate land categories to be included in ERS's National-Interregional Agricultural Projections (NIRAP) system.
 - (2) determine variables relevant to land availabilty and use projections.
 - (3) select appropriate empirical techniques for developing needed ERS capabilities for projecting land availability, basic productivity and use.



- The EPAS program area, under the guidelines of this 2. team, will develop an automated land availability and use projection system capable of (1) processing historical data and projecting land in 50 states used in producing about 20 commodities under two or three production practices, as well as urban and miscellaneous uses; (2) simulating appropriate causal relationships in a consistent manner including the effects of irrigation development drainage and clearing technological change, fertilizer and other input use related to environmental quality and commodity programs; (3) linking the land use component with other componets of the NIRAP system to project crop yields and commodity production as well as land use and (4) generating land use projections under each alternative future in the ERS Core Projections Program.
- Then, the Land Projection Team will (1) annually review the results of the these projections and make recommendations for needed adjustments in coefficients and empirical techniques. (2) meet as required to review and make recommendations concerning land projections generated in the NIRAP System for use in staff and other special reports and in other ERS manuscripts and project proposals.

Organization:

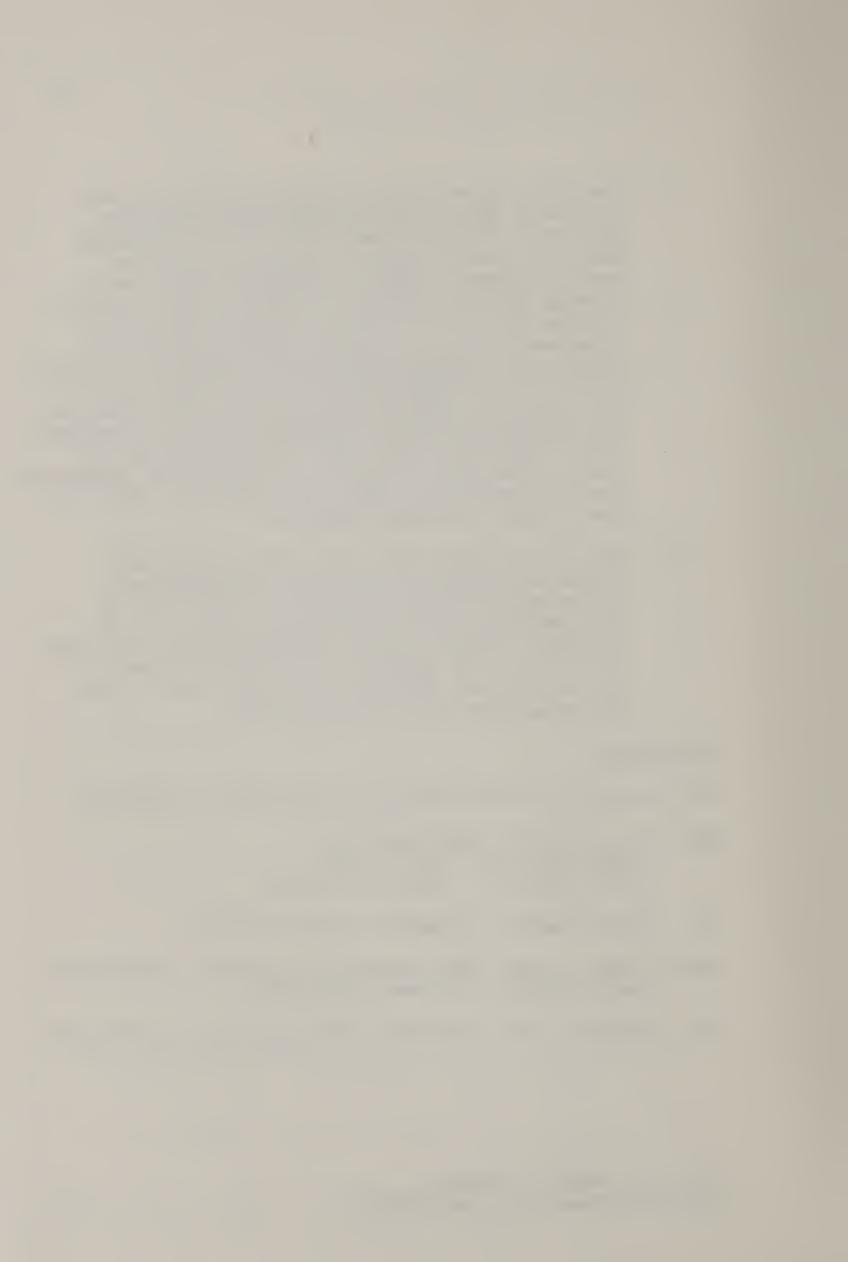
Participation on the ERS Land Projection Team is as follows:

NEAD: Leroy Quance -- Team Coordinator Virden Harrison -- Crop Yields Robert Reinsel -- Inputs and Finance

CED: Wyatte Harman -- Commodity Program Analysis

NRED: John Fritschen--Land Availability and Basic Productivity Larry Schluntz -- Resource Projections

Team assignments may be changed at the request of each Division.



UNITED STATES DEPARTMENT OF AGRICULTURE ECONOMIC RESEARCH SERVICE WASHINGTON, D.C. 20250

August 28, 1974

SUBJECT: ERS Projections Memorandum No. 6 - Agricultural Inputs

Projection Team

TO: Administrator

etal.

Austin Fox, NEAD David Bell, NEAD

William Paddock, NEAD W. Herbert Brown, CED Marlin Hanson, NRED Arthur Mackie, FDCD

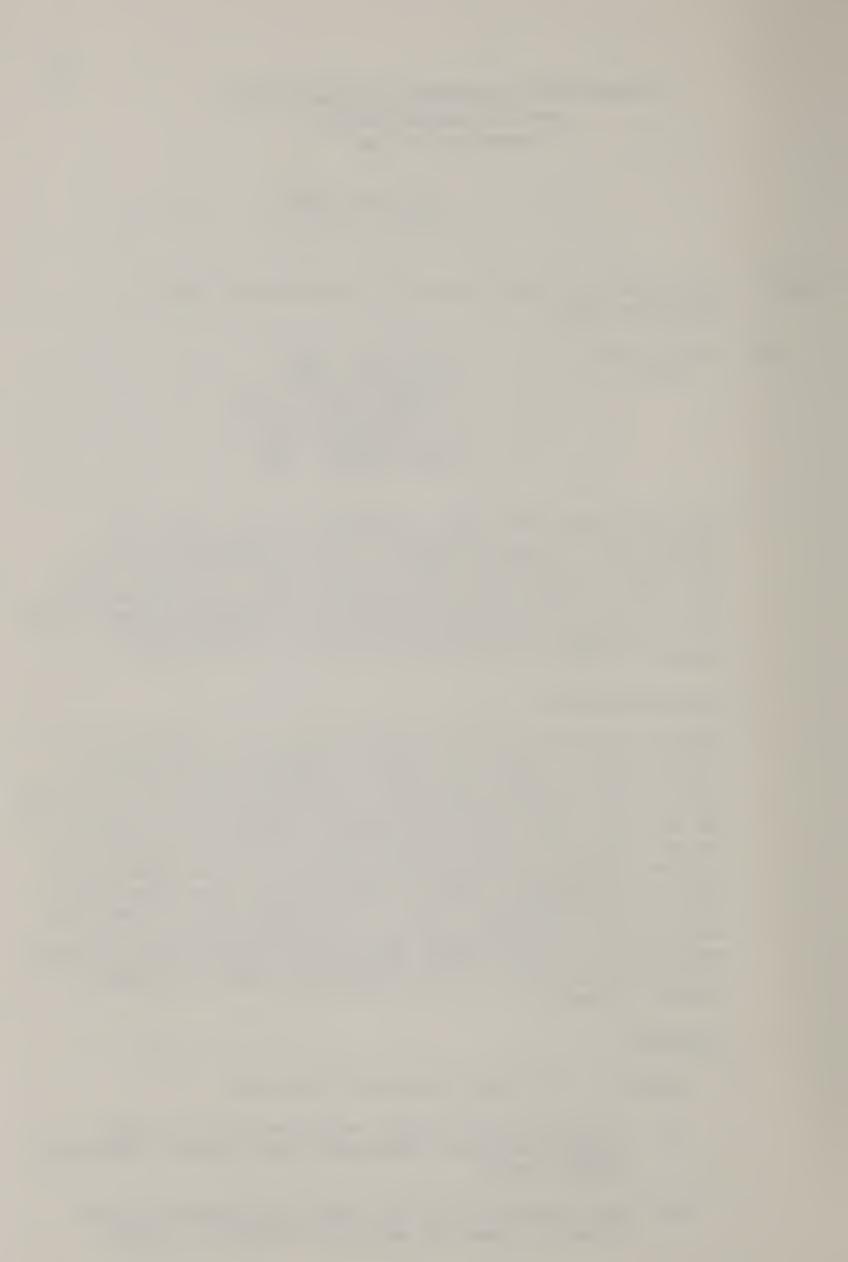
This memorandum establishes an ERS Agricultural Inputs Projection Team. Proposed responsibilities, procedures and organization are delineated below. Concerned individuals should also refer to ERS General Memorandum No. 52, Revised November 6, 1973, Economic Projections Program and ERS Projections Memorandum No. 1, Standard Operating Procedures for Projection Teams, January 8, 1974.

Responsibilities:

The ERS Agricultural Inputs Projection Team is responsible for advising and assisting the Economic Projections and Analytical Systems (EPAS) program area, NEAD, regarding agricultural inputs which are defined to include only nonfarm inputs manufactured for farm use. This team will focus on the potential problems and uncertainties concerning these inputs and the effects these problems may have on the production of agricultural commodities under the alternative futures as designated by the Alternative Futures Projection Team. They will be responsible for reviewing and making recommendations on all ERS manuscripts involving projections of nonfarm inputs manufactured for farm use, prepared either as staff studies or for publication, and for research project proposals.

Procedure:

- 1. Initially, the Inputs Projection Team will:
 - (1) delineate separate input categories to be included in ERS's National-Interregional Agricultural Projections (NIRAP) System.
 - (2) make recommendations for establishing specific input projection teams for selected categories of inputs.
 - (3) advise on developing methodology and projections

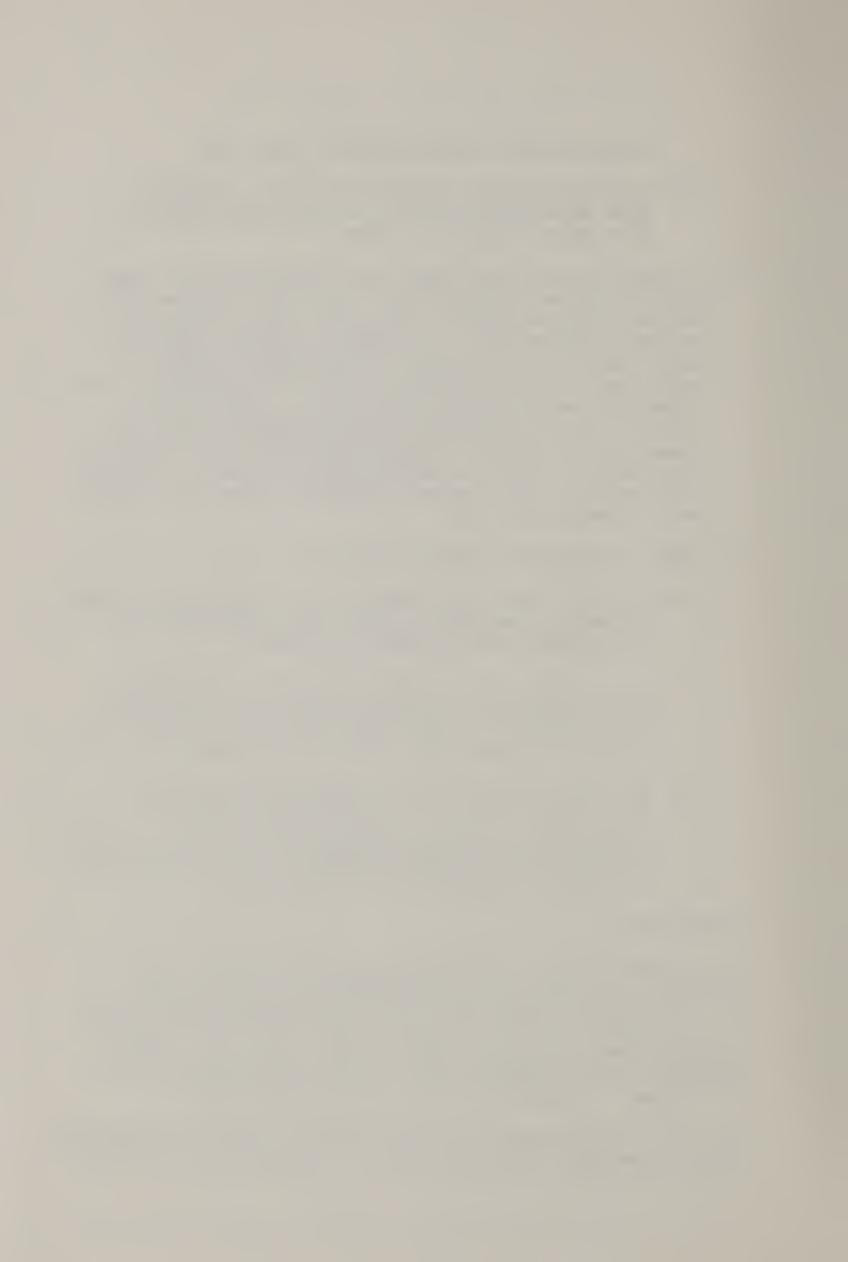


- capability for nonfarm produced inputs and
- (4) identify and make recommendations for filling data gaps and analytical needs for projecting farm inputs under alternative futures.
- 2. The EPAS program area, under the guidelines of this team, will develop an automated inputs projection component of the NIRAP system capable of (1) explaining historical and projected information, (2) simulating changes related to price-quantity relationships for individual inputs and among inputs, (3) responding rapidly to questions about the effects of availability of farm inputs on alternative futures, and (4) linking the inputs component with other components of the NIRAP system to project farm inputs that are consistent with selected alternative futures, commodity requirements, crop acreages, production costs, farm income, and consumer food prices.
- 3. Then, the Inputs Projection Team will:
 - (1) Annually review the results of these input projections and make recommendations in needed adjustments in coefficients and empirical techniques.
 - (2) Meet as required to review and make recommendations concerning input projections generated in the NIRAP system for use in staff and other special reports and in other ERS manuscripts and project proposals.
 - (3) Make final checks for consistency among component projections. Then, the commodity production utilization and inputs projections will serve as inputs into other NIRAP system components for projecting such variables as expenditures and farm income.

Organization:

Because agricultural input projections are important on a Department-wide basis for program planning, budgeting and for evaluating and administering present and proposed programs, it is essential to have interagency participation on the Agricultural Inputs Projection Team. However, the participation initially will be limited to ERS. Later, other agencies will be included -- specifically ARS, ASCS, FCS, and SRS.

There will be one team which has overall responsibility for farm input projections. Other teams may be added as needed to focus



on specific inputs. Participation on the ERS Agricultural Inputs Projection Team will be as follows:

NEAD: Austin Fox, Coordinator

David Bell William Paddock

CED: W. Herbert Brown

FDCD: Arthur Mackie

NRED: Marlin Hanson

Team assignments may be changed when appropriate and at the request of each Division or Agency.

WILLIAM T. MANLEY, Director National Economic Analysis Division

